

**RHYL URBAN DISTRICT COUNCIL**



# **ANNUAL REPORT**

**OF THE**

**MEDICAL OFFICER OF HEALTH**

**(R. RHYDWEN, D.S.C., M.B., D.P.H.)**

**Together with the Annual Report of the**

**CHIEF PUBLIC HEALTH INSPECTOR**

**(E. L. LLOYD JONES, M.B.E., F.A.P.H.I., F.R.S.H.)**

**Main Offices: Public Health Department, 2 Edward Henry  
Street, Rhyl (Tel. Rhyl 1450)**

**FOR THE YEAR**

**1958**



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RHYL:

W. N. Douglas & Co., Ltd., 31 Sussex Street.

# URBAN DISTRICT OF RHYL

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## PUBLIC HEALTH COMMITTEE, 1958.

Councillor ROY TURNER  
(Chairman of the Council).

Cllr. GLYN VAUGHAN  
(Chairman).

„ E. WILLIAMS.

„ C. E. GARNETT.

„ H. D. EDWARDS.

Cllr. COLIN PARRY.

„ H. M. JONES.

„ W. S. ROOSE.

„ J. C. ESPLEY.

„ E. CRAMER.

## PUBLIC HEALTH STAFF.

### Medical Officer of Health:

R. RHYDWEN, D.S.C., M.B., D.P.H.

### Chief Public Health Inspector:

E. L. LLOYD JONES, M.B.E., F.A.P.H.I., F.R.S.H.

### Deputy Chief Public Health Inspector:

E. G. BLACK, M.A.P.H.I.

### Additional Public Health Inspector:

D. KAYE, M.A.P.H.I.

### Chief Clerk and Meteorological Observer:

W. A. FIELD, B.E.M., A.C.C.S.

### Clerks:

D. T. OWEN.

A. E. WILD (to 1/11/58).

S. R. JONES (from 3/11/58).

### Shorthand Typist:

Miss P. SNAPE.

### Maintenance Supervisor:

T. H. HEYES.

### Engineer-in-Charge Pumping Station:

F. DAVIES.

### Disinfector:

A. S. JONES.

### Rodent Officer:

B. CHARLESWORTH (retired 1/2/58).

W. H. THOMAS (from 1/1/58).



**ANNUAL REPORT**  
**OF THE**  
**MEDICAL OFFICER OF HEALTH**  
**For the Year 1958.**

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Mr. Chairman, Gentlemen,

I beg to submit for your consideration my Annual Report for 1958. The Report follows the form laid down in Circular 22/58 Wales.

All essential services have been maintained and have functioned satisfactorily during the year.

Ninety-six cases of Infectious Disease were notified to me during the year; 1958 seeing no major epidemic in the district. Two cases of paralytic Poliomyelitis were notified and later confirmed. The local case occurred out of the blue towards the end of the year and no history of contact was ever obtained. The other case was an infant visitor from Derbyshire.

During the year a great many local children were vaccinated against Poliomyelitis. Mass Radiography is available to the public at three weekly intervals and this has proved a most useful service, being employed especially for the investigation of school children, factory workers and candidates for certain employments.

On the whole the care of the Aged and Chronic Sick in the area has been satisfactory, great praise and credit being especially due to the Home Help Service for its sterling work, and to the W.V.S. for their Meals on Wheels Service. No legal action for removal of the Aged to hospital was required during the year.

Ten cases of Food Poisoning due to Sonne Dysentery occurred in a Boarding House, but was soon brought under control, the cause of infection being one of the staff who was found to be a symptomless carrier. It has been noticed recently that there is a tendency for certain members of the

Catering Trade to regard diarrhoea in their staff as of little importance and this has been the cause of several small outbreaks of gastro intestinal upset. I must stress that any food handler who has had frank diarrhoea should have a faecal specimen examined before resuming work.

A full account of the Health Department's activities in Food Hygiene is given in the Chief Public Health Inspector's Report.

Complaints were received about the lack of toilet facilities and washing facilities for customers at certain restaurants in Rhyl. Whilst the Health Department have no power to enforce the installation of Toilet and Washing facilities for customers, they hope that restaurants not providing these facilities will note the criticisms and take action.

### **INFANT MORTALITY.**

Nine infants died in their first year of life, five of them being under a week old at the time of their death. Two deaths were attributed to prematurity, two to a congenital abnormality, one to broncho-pneumonia, three to cerebral haemorrhage, and one to Meningo myelocoele and hydrocephalus. All but one of the deaths occurred in hospital and as far as I can judge all deaths were unavoidable.

This death total gave Rhyl an Infant Mortality rate of 30.0 deaths per 1,000 live births, higher than last year's rate of 20.7 deaths per 1,000 live births, and also higher than the national rate of 22.5 deaths per 1,000 live births.

### **RHYL CUT.**

There was further flooding this year due to the Rhyl Cut, but it must be admitted that there has been an improvement in this direction since the Catchment Board installed new Sluice Gates.

### **HOUSING.**

The approximate number of dwellings in the Urban District is 6,803. Building during the year was slightly less than in the previous year, 23 Council houses and 142 private houses and bungalows having been completed during the year. Six further Council houses were in course of erection at the end of the year.

Building costs, in common with all other expenses incurred during existence on this planet, have continued their upward spiral. The Council's rent adjustment policy has already dealt with the more extreme anomalies, but the whole situation is in a state of flux, and will probably result in the Council having to take even more positive action in the years to come.

There is a waiting list of 332 applicants for houses, the majority of whom are living in rooms and have never had a house of their own. In addition, there is also a list of 77 aged persons requiring accommodation.

### **WATER SUPPLY.**

There is an efficient and abundant supply of bacteriologically and chemically pure water.

Regular samples are taken, and the results are almost invariably Class I., Ministry of Health Standard.

The Water Engineer and his staff exercise extreme vigilance in ensuring that the water supply to the consumer is of the highest bacterial purity.

One hundred samples were taken during the year, all being satisfactory.

There is one private supply in the district, from a bore-hole 250 feet deep, but this water is only used for trade purposes.

### **MILK SUPPLY.**

One hundred and ninety-one samples of milk were taken by the Chief Public Health Inspector for bacteriological examination.

In the ten cases of unsatisfactory results, both the retailer and producer were contacted, and steps taken to find the cause.

Fifty-six samples of pasteurised milk and 39 samples of Tuberculin-tested (Pasteurised) Milk were taken, 7 of which were unsatisfactory.

It is pleasing to note that results of samples, in the main, are satisfactory, as at least 90 per cent. of the milk consumed in the district is produced outside the area.



## **ICE CREAM.**

One hundred and forty-two samples of ice cream were taken and submitted to the methylene blue test, and where unsatisfactory results were obtained, personal contact was made with the manufacturer or retailer and advice given as to how the cleanliness of the product could be improved.

## **PUBLIC ABATTOIR.**

The number of animals slaughtered decreased 6,000 as compared with 1957.

I make no apology for reiterating my appeal to all persons who handle food, either in its manufacture, sale or distribution, to pay particular attention to their personal cleanliness, as lack of care may lead to contamination of food, causing food poisoning which, in the case of a holiday resort, might result in some extremely damaging publicity, both to the firm concerned and to the resort.

The amount of meat condemned was 5 tons, 18 cwt., 0 qtr., 2 lbs., a decrease of 20 cwts., 1 qtr., 18 lbs. on 1957.

## **"PLAS COED."**

The Home, situated in its own grounds, accommodates elderly ladies.

There are no restrictions, and "Plas Coed" is a "home" in the true sense of the word, and has provided a long-felt need in the field of social service in the town.

## **DRAINAGE AND SEWERAGE.**

There are ten cesspools in the district, and these are emptied at regular intervals by means of a cesspool emptier, the contents being disposed of into the main sewer. As far as is known, there are no pail closets in the district, the remainder of the houses being connected to main drainage.

In the eastern portion of the district the sewage gravitates to a small pumping station, where it is pumped through a rising main to a trunk sewer. The remainder of the sewage gravitates to a main pumping station where, after passing through a revolving screen, it is pumped into a high level storage reservoir of a holding capacity of  $1\frac{3}{4}$  million gallons,



and from this storage tank it gravitates out to sea, where it is discharged approximately 1,000 yards from the high water mark into the sea half-hour on the ebb, after high water, for two hours, when the valve is closed until the next tide. This applies to undiluted sewage, but during heavy rainfalls the valve into the main outfall pipe has to be opened to discharge the storm water.

### **DIPHTHERIA IMMUNISATION.**

|                                                                                              |     |
|----------------------------------------------------------------------------------------------|-----|
| Number of children of school age who completed course of immunisation (5—15 years) ... ..    | 19  |
| Number of children under school age who completed; course of immunisation (0—4 years) ... .. | 195 |
| Boosting injections ... ..                                                                   | 207 |

The number of children under 16 years of age belonging to Rhyl District considered to be immunised at 31st December, 1958, were:—

Age Group 5—15: 1,628.      Age Group 0—4: 606.      Total: 2,234.

Percentage immunised (Child population, Census 1951 figures, with subsequent year's birth adjustments):—

Age Group 5—15: Approx. 61.2%      Age Group 0—4: 51.5%  
Percentage of population under 15 immunised: Approx. 58.2%

### **PUBLIC SWIMMING BATHS.**

These baths are owned by the Local Authority and are open for the summer season.

They were visited from time to time and 32 samples of the water taken for bacteriological examination. Thirty-one were found to be satisfactory and one of moderate contamination.

### **CHILDREN'S PADDLING POOL.**

Concern was caused to me from time to time by the fact that, on occasion, the samples of chlorinated water taken from this pool were below standard.

The facts were reported to the Health Committee, who passed the information to the Council, who have approved plans for a new paddling pool, which will be in operation for the 1959 summer season.

Thirty-two samples of water were taken from this pool for bacteriological examination, ten of them being satisfactory and twenty-two of them being unsatisfactory.

### **CAMPING.**

The number of licensed sites used for camping purposes during the year was eight. There were several organised camps, such as Boy Scouts, Church Lads' Brigade and Boys Brigades.

The National Coal Board (Derbyshire Miners) have a holiday camp in Rhyl, with 126 Chalets and Administrative Buildings, to take up to 450 (peak), including staff.

The number of Camping Sites in respect of which licences have been issued by the Local Authority under Section 269 of the Public Health Act, 1936: Nil.

Eight licences were granted under the Rhyl Urban District Council Act, 1935, Section 141.

The estimated number of campers resident in the district at one time was between 2,750—3,000.

### **VITAL STATISTICS.**

The population of the district as given in the Census Returns, 1951, was 18,745. The Registrar General Estimates the mid-year figure for 1958 as being 19,710.

#### **BIRTH RATE.**

Live Births 300, viz., 149 males, 151 females, of whom 137 males and 148 females were legitimate and 12 males and 3 females were illegitimate.

Live Birthrate per 1,000 population: 15.22.

Still Births: 5.

Still birthrate per 1,000 live and still births: 16.4.

Total live and still births: 305.

Infant deaths: 9.

Infant Mortality rate per 1,000 total live births: 30.0. Infant Mortality rate per 1,000 legitimate live births: 31.6. Infant Mortality rate per 1,000 illegitimate live births: 0. Neonatal Mortality rate (deaths during first 4 weeks): 30.0 per 1,000 live births.

Maternal Deaths: Nil. Maternal Mortality Rate: Nil.

#### **DEATH RATE.**

The total number of deaths credited to the District by the Registrar General was 317, viz., 158 males and 159 females.

which gives a crude death rate of 16.09 per 1,000 of the population. For comparison with the national figure, Rhyl's death rate is 13.51 per 1,000. The national rate is 11.7 per 1,000.

Local returns showed that a total of 343 persons died in Rhyl during the year. Of these 113 were non-residents and were transferred to their own districts, while 90 Rhyl residents who died outside the area were transferred into the Rhyl register, making a total of 320 deaths credited to Rhyl.

Of the 320 deaths credited to Rhyl, 117 were of persons between the ages of 70—80 years, 82 were of persons between the age 81—90 years, and 6 persons were over the age of 90 at death.

Summing up, it can be said that 64.1 per cent. of the deaths during the year were those of people aged 70 years and over.

#### **ZYMOTIC DISEASES.**

There were 13 deaths from Pneumonia. This gave a death rate of 0.66 per 1,000 of the population.

#### **PULMONARY TUBERCULOSIS.**

No deaths were attributed to Pulmonary Tuberculosis. The national rate was 0.089 per 1,000.

#### **OTHER TUBERCULOSIS DISEASES.**

Under this heading no deaths occurred.

#### **OTHER RESPIRATORY DISEASES.**

Under this heading one death occurred, equal to a rate of 0.05 per 1,000 of the estimated population (19,710). Also Bronchitis nine, equal to a rate of 0.46 per 1,000 of the estimated population.

#### **DEATH RATE FROM CANCER.**

Fifty-three deaths were ascribed to Cancer, the rate being 2.69 per 1,000 of the estimated population (19,710). The reason for this somewhat high figure (national rate, 2.124 per 1,000) is the fact that Rhyl has an older than average population.

Ten deaths of the above were due to Cancer of the Lung or Bronchus, giving a rate of 0.51 per 1,000 population, compared with a national rate of 0.439 per 1,000 population.



## VACCINATION RETURNS.

The following information has been supplied to me by the County Medical Officer of Health:—

|                                                                                                                                  | Primary | Re-        |
|----------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|                                                                                                                                  |         | vaccinated |
| Number of children under one year vaccinated...                                                                                  | 161     | —          |
| Number of children 1—4 vaccinated ... ..                                                                                         | 20      | 2          |
| Number of children 5—14 vaccinated ... ..                                                                                        | 12      | 2          |
| Number of persons 15 or over vaccinated... ..                                                                                    | 14      | 26         |
| Number of vaccinations of residents of Rhyl Urban District carried out during the period 1st January, 31st December, 1958 ... .. | 207     | 30         |

It is gratifying to be able to report that the numbers vaccinated during the year continues to increase. In 1957 204 persons were vaccinated for the first time in their lives, and in 1958 207 persons were vaccinated for the first time. In fact, 55% of the children born in 1957 were vaccinated during the year, a very great improvement on the situation of a few years ago.

In these days, when large numbers of people travel abroad and there is a large influx of persons of asiatic and tropical origins into this country, it is in the interests of each one of us to be regularly vaccinated. Many people will recall that during recent years smallpox has taken its toll, not a high one, it must be admitted, but all the deaths were preventable.

## VENEREAL DISEASES.

This Department is also under the control of the Regional Hospital Board, the nearest station for treatment being at H. M. Stanley Hospital, St. Asaph.

### LIST OF VENEREAL DISEASE CLINICS WITH TIMES OF OPENING.

#### Wrexham and East Denbighshire War Memorial Hospital.

|                 |               |                  |
|-----------------|---------------|------------------|
| Monday ... ..   | Males ... ..  | 5 p.m. to 7 p.m. |
| Wednesday... .. | Males ... ..  | 4 p.m. to 6 p.m. |
| Friday ... ..   | Females... .. | 5 p.m. to 7 p.m. |

#### Chester Royal Infirmary.

|                 |               |                   |
|-----------------|---------------|-------------------|
| Monday ... ..   | Females... .. | 5 p.m. to 7 p.m.  |
| Wednesday... .. | Males ... ..  | 5 p.m. to 7 p.m.  |
| Thursday ... .. | Females... .. | 5 p.m. to 7 p.m.  |
| Saturday ... .. | Males ... ..  | 11 a.m. to 1 p.m. |

#### H. M. Stanley Hospital, St. Asaph.

|               |                   |                  |
|---------------|-------------------|------------------|
| Tuesday... .. | Males and Females | 5 p.m. to 7 p.m. |
|---------------|-------------------|------------------|



## ISOLATION HOSPITAL.

The number of cases of Infectious Diseases from the Urban District admitted into Hospital was nine.

## GENERAL STATISTICS.

|                                                     |             |
|-----------------------------------------------------|-------------|
| Area—Exclusive of Foreshore ... ..                  | 1,700 acres |
| Area—Inclusive of Foreshore ... ..                  | 2,579 acres |
| Population at Census, 1901 ... ..                   | 8,461       |
| Population at Census, 1911 ... ..                   | 9,005       |
| Population at Census, 1921 ... ..                   | 13,490      |
| Population at Census, 1931 ... ..                   | 13,485      |
| Population at Census, 1951 ... ..                   | 18,745      |
| Population, R.G. Estimate, 1958 ... ..              | 19,710      |
| Number of occupied dwellings at Census, 1951 ... .. | 5,222       |
| Number of private households therein, 1951 ... ..   | 5,675       |
| Rateable Value at 1st April, 1958 ... ..            | £346,266    |
| Sum represented by a Penny Rate ... ..              | £1,420      |
| Number of Rated Premises ... ..                     | 7,757       |

Number of habitable premises according to Valuation List at 1st April, 1958:—

|                            |       |
|----------------------------|-------|
| Houses, Flats, etc. ... .. | 6,351 |
| Houses and Shops ... ..    | 196   |
|                            | <hr/> |
|                            | 6,547 |

## EXTRACTS FROM VITAL STATISTICS

(Registrar General's Returns).

|                     | Total | M.  | F.  |                                                                                                                                                                                                                            |
|---------------------|-------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Live Births:—       |       |     |     | } Birth Rate per 1,000 of<br>the estimated resident<br>population ... .. 15.22<br>Rate per 1,000 total<br>(live and still) births<br>16.40<br>Death rate per 1,000 of<br>the estimated resident<br>population ... .. 16.08 |
| Legitimate ... ..   | 285   | 137 | 148 |                                                                                                                                                                                                                            |
| Illegitimate... ..  | 15    | 12  | 3   |                                                                                                                                                                                                                            |
| Still Births ... .. | 5     | 2   | 3   | } Death rate per 1,000 of<br>the estimated resident<br>population ... .. 16.08                                                                                                                                             |
| Deaths ... ..       | 317   | 158 | 159 |                                                                                                                                                                                                                            |

|                                | Deaths | Rate per 1,000 total<br>(live and still) births |
|--------------------------------|--------|-------------------------------------------------|
| Deaths from Puerperal Causes:— |        |                                                 |
| Puerperal Sepsis ... ..        | —      | —                                               |

Death rate of Infants under one year of age:—

|                                                     |       |
|-----------------------------------------------------|-------|
| All Infants, per 1,000 live births ... ..           | 30.00 |
| Deaths from Whooping Cough (all ages) ... ..        | —     |
| Deaths from Diarrhoea (under 2 years of age) ... .. | 1     |
| Deaths from Measles (all ages) ... ..               | —     |
| Deaths from Cancer (all ages) ... ..                | 53    |

### **CAUSES OF SICKNESS.**

The only noteworthy causes of sickness outside the notifiable or epidemic diseases were: Bronchial Colds, Influenza and Catarrh.

### **SUMMARY OF NURSING ARRANGEMENTS.**

Home nursing and provision of midwifery services are now provided by the County Council. In addition, the services of approximately 24 part-time Home Helps are available in the Rhyl area on application to the County Medical Officer of Health.

### **MATERNITY AND CHILD WELFARE.**

There is a local centre at the Health Clinic, Ffordd Las, Rhyl, under the control of the Flintshire County Council, the County Medical Officer of Health and Inspector of Midwives.

### **HOSPITAL.**

Hospital treatment is now provided free of charge under the National Health Service Act, 1946.

The Hospitals serving the Rhyl district are the Royal Alexandra Hospital, Prince Edward War Memorial Hospital, H. M. Stanley Hospital, St. Asaph, Abergele Chest Hospital, under the administration of the Clwyd and Deeside Hospital Management Committee.

### **AMBULANCE FACILITIES.**

Ambulance facilities are now provided by the County Council under the National Health Service Act, 1946.

### **LABORATORY WORK.**

Arrangements have been made with the Public Health Laboratory Service, Conway, for Pathological and Bacteriological examinations.

## LIST OF NOTIFIABLE DISEASES IN RHYL DISTRICT.

Smallpox, Scarlet Fever, Diphtheria (including Membraneous Croup), Enteric Fever (Typhoid and Paratyphoid), Measles, Whooping Cough, Pneumonia, Cholera, Plague, Puerperal Fever, Puerperal Pyrexia, Cerebro Spinal Fever, Acute Poliomyelitis, Acute Polioencephalitis, Encephalitis Lethargica, Typhus Fever, Dysentery, Erysipelas, Ophthalmia Neonatorum, Tuberculosis (Pulmonary and other forms), Malaria (cases contracted in this country), and other cases.

## LIST OF ADOPTIVE ACTS, ETC., IN FORCE.

### ACTS.

Rhyl Improvement Act, 1852, 1872 and 1901.

Rhyl Water Act, 1912.

Rhyl Urban District Council Act, 1935.

Rhyl Urban District Council Act, 1956.

### BYELAWS.

Camping, 1935 and 1951.

Tents, Vans, Sheds and Similar Structures, 1913.

Offensive Trades—Dealers in Rags and Bones, 1915.

Registries for Marine Stores, 1915.

Common Lodging Houses, 1877.

Nuisances, 1890.

Removal of Offensive Matters, 1896.

Sanitary Conveniences, 1897.

Food, 1951.

Slaughter Houses, 1957.

## SANITARY ADMINISTRATION.

It was not found necessary to take legal action against any person for contravention of Section 141 of the Rhyl Urban District Council Act, 1935, relating to Camping.

## SCHOOL AND MEDICAL INSPECTION OF SCHOOLS.

The seven primary schools, one secondary school, one grammar school and one Welsh grammar school within the district have received attention.



Epidemic Sickness, viz., Measles, Whooping Cough, Influenza Colds and Mumps were prevalent at varying periods. All the schools are disinfected after closure and during the holiday periods. The Medical Inspection of the children attending the schools is carried out by the Staff of the County Health Department. There is a School Clinic at the Health Centre, Fforddlas Road, Rhyl, which is open each Monday between 9 and 12 noon, when a doctor is present.

### PUBLIC HEALTH STAFF.

The staff consists of one Medical Officer of Health, D.S.C., M.B., D.P.H. (part-time); one Chief Public Health Inspector, M.B.E., C.S.I.B., C.M.I.L.U. (full-time); one Deputy Chief Public Health Inspector, C.S.I.B., Cert.Meat.Insp.R.S.I.; one additional Public Health Inspector, C.S.I.B. (Contributions are made to the salaries of each of these officers by Exchequer Grants); a Rodent Officer, a Chief Clerk, two General Clerks and a Shorthand Typist.

### TUBERCULOSIS.

New Cases and Mortality belonging to the District during 1958:—

| Age<br>Periods   | New Cases   |   |                     |   | Deaths      |   |                     |   |
|------------------|-------------|---|---------------------|---|-------------|---|---------------------|---|
|                  | Respiratory |   | Non-<br>Respiratory |   | Respiratory |   | Non-<br>Respiratory |   |
|                  |             |   |                     |   |             |   |                     |   |
|                  | M           | F | M                   | F | M           | F | M                   | F |
| Under 1 year ... | —           | — | —                   | — | —           | — | —                   | — |
| 1—5 years... ..  | —           | — | —                   | — | —           | — | —                   | — |
| 6—10 „ ... ..    | —           | — | —                   | — | —           | — | —                   | — |
| 11—15 „ ... ..   | —           | — | —                   | — | —           | — | —                   | — |
| 16—20 „ ... ..   | 1           | 3 | —                   | — | —           | — | —                   | — |
| 21—25 „ ... ..   | —           | 2 | —                   | 1 | —           | — | —                   | — |
| 26—35 „ ... ..   | 1           | — | —                   | — | —           | — | —                   | — |
| 36—45 „ ... ..   | 1           | — | —                   | — | —           | — | —                   | — |
| 46—55 „ ... ..   | 1           | 1 | —                   | — | —           | — | —                   | — |
| 56—65 „ ... ..   | 2           | — | —                   | — | 1           | — | —                   | — |
| 65 and upwards   | 1           | — | —                   | — | 2           | 1 | —                   | — |
| Total ... ..     | 7           | 6 | —                   | 1 | 3           | 1 | —                   | — |

Cases on the register in December, 1957, totalled 222, and in December, 1958, totalled 223—an increase of one case.

The total number of deaths from Active Tuberculosis was nil.



The local Chest Clinic is now situated at the Royal Alexandra Hospital, East Parade, Rhyl.

**PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS)  
REGULATIONS, 1925.**

No action was taken under the above Regulations.

**PUBLIC HEALTH ACT, 1925: SECTION 62.**

No action was taken under Section 62 of the Public Health Act, 1925.

**PUBLIC HEALTH ACT, 1936: SECTION 172.**

No action was taken under Section 172 of the Public Health Act, 1936.

**NATIONAL ASSISTANCE ACT, 1948: SECTION 47.**

“Removal to suitable premises of persons in need of care and attention.”

No formal action required during the year.

**ANNUAL RETURN OF FOOD POISONING.**

Twelve cases of Food Poisoning were notified in 1958.

**BYELAWS UNDER SECTION 15 OF FOOD & DRUGS ACT, 1938.**

No formal action had to be taken under the Byelaws during the year.

TABLE I.—NOTIFIABLE DISEASES DURING THE YEAR.

| Disease                                          | At all ages | Age unknown | Under 1 year | 1—2 | 3—4 | 5—9 | 10—14 | 15—20 | 20—35 | 35—45 | 45—65 | Over 65 | †Cases admitted to Hospital | Total Deaths |
|--------------------------------------------------|-------------|-------------|--------------|-----|-----|-----|-------|-------|-------|-------|-------|---------|-----------------------------|--------------|
| Small Pox ... ..                                 | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Diphtheria ... ..                                | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Scarlet Fever ... ..                             | 19          | —           | —            | —   | 4   | 15  | —     | —     | —     | —     | —     | —       | 5                           | —            |
| Enteric Fever or Typhoid (excluding Paratyphoid) | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Acute Poliomyelitis (Para)                       | 2           | —           | 1            | 1   | —   | —   | —     | —     | —     | —     | —     | —       | 2                           | —            |
| Puerperal Pyrexia ... ..                         | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Acute Pneumonia ... ..                           | 1           | —           | —            | —   | —   | —   | —     | —     | 1     | —     | —     | —       | —                           | —            |
| Acute Encephalitis... ..                         | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Erysipelas ... ..                                | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Paratyphoid Fevers... ..                         | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Ophthalmia Neonatorum ...                        | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Meningococcal Meningitis ... ..                  | 3           | —           | 1            | 2   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Meningococcal Septicaemia                        | 1           | —           | 1            | —   | —   | —   | —     | —     | —     | —     | —     | —       | 3                           | 1            |
| Measles ... ..                                   | 47          | —           | 3            | 14  | 13  | 17  | —     | —     | —     | —     | —     | —       | 2                           | —            |
| Whooping Cough ... ..                            | 8           | —           | —            | 1   | 1   | 2   | 4     | —     | —     | —     | —     | —       | —                           | —            |
| Dysentery ... ..                                 | 13          | —           | —            | 1   | —   | 5   | 1     | 1     | 4     | —     | 1     | —       | 1                           | —            |
| Food Poisoning ... ..                            | —           | —           | —            | —   | —   | —   | —     | —     | —     | —     | —     | —       | —                           | —            |
| Malignant Tertian Malaria                        | 2           | —           | —            | —   | —   | 2   | —     | —     | —     | —     | —     | —       | 2                           | —            |
| Totals ... ..                                    | 96          | —           | 6            | 7   | 18  | 41  | 5     | 1     | 5     | —     | 1     | —       | 14                          | 1            |
| †Cases removed to hospital                       | —           | —           | 3            | 3   | 1   | 7   | —     | —     | —     | —     | —     | —       | —                           | —            |

†Including General Hospitals.

TABLE II.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1958 AND PREVIOUS YEARS  
Name of District—RHYL URBAN.

| Year | Population estimated to middle of each Year | Births           |             |           | Total Deaths Registered in the District |       | Transferable Deaths                           |                                           | Net Deaths belonging to the District |                            |        |
|------|---------------------------------------------|------------------|-------------|-----------|-----------------------------------------|-------|-----------------------------------------------|-------------------------------------------|--------------------------------------|----------------------------|--------|
|      |                                             | Corrected Number | Nett Number | Nett Rate | Number                                  | Rate  | Of Non-residents registered in the District 8 | Of Residents registered in the District 9 | Number                               | Rate per 1,000 Nett Births | Number |
|      |                                             | 3                | 4           | 5         | 6                                       | 7     |                                               |                                           | 10                                   | 11                         | 12     |
| 1939 | 15940                                       | 230              | 248         | 15.56     | 250                                     | 15.61 | 40                                            | 25                                        | 14                                   | 56.5                       | 239    |
| 1940 | 18290                                       | 245              | 262         | 14.32     | 273                                     | 14.93 | 43                                            | 30                                        | 25                                   | 92.3                       | 264    |
| 1941 | 21530                                       | 281              | 350         | 13.05     | 311                                     | 14.44 | 54                                            | 57                                        | 33                                   | 94.2                       | 308    |
| 1942 | 22140                                       | 206              | 303         | 9.30      | 273                                     | 12.30 | 37                                            | 57                                        | 17                                   | 58.8                       | 290    |
| 1943 | 20920                                       | 211              | 295         | 10.80     | 263                                     | 12.57 | 46                                            | 45                                        | 19                                   | 52.6                       | 263    |
| 1944 | 18370                                       | 222              | 302         | 16.43     | 314                                     | 17.09 | 49                                            | 26                                        | 20                                   | 66.0                       | 291    |
| 1945 | 17990                                       | 196              | 287         | 15.95     | 292                                     | 16.23 | 64                                            | 50                                        | 19                                   | 66.2                       | 265    |
| 1946 | 18300                                       | 180              | 309         | 16.89     | 279                                     | 15.25 | 56                                            | 37                                        | 18                                   | 58.3                       | 271    |
| 1947 | 18400                                       | 158              | 329         | 17.88     | 284                                     | 15.43 | 43                                            | 51                                        | 14                                   | 42.55                      | 314    |
| 1948 | 18680                                       | 131              | 300         | 16.06     | 220                                     | 11.78 | 36                                            | 47                                        | 11                                   | 36.66                      | 233    |
| 1949 | 18710                                       | 108              | 284         | 15.18     | 270                                     | 14.43 | 48                                            | 49                                        | 11                                   | 38.73                      | 275    |
| 1950 | 18730                                       | 81               | 298         | 15.91     | 307                                     | 16.39 | 58                                            | 60                                        | 10                                   | 33.56                      | 310    |
| 1951 | 18700                                       | 58               | 301         | 16.10     | 343                                     | 18.34 | 89                                            | 61                                        | 12                                   | 39.87                      | 317    |
| 1952 | 18800                                       | 67               | 283         | 15.05     | 320                                     | 17.02 | 114                                           | 74                                        | 11                                   | 38.86                      | 276    |
| 1953 | 18900                                       | 55               | 272         | 14.39     | 308                                     | 16.30 | 135                                           | 89                                        | 13                                   | 47.79                      | 262    |
| 1954 | 19200                                       | 48               | 285         | 14.84     | 329                                     | 17.13 | 129                                           | 86                                        | 8                                    | 28.07                      | 286    |
| 1955 | 19300                                       | 41               | 276         | 14.30     | 353                                     | 18.29 | 122                                           | 79                                        | 7                                    | 25.36                      | 314    |
| 1956 | 19510                                       | 40               | 311         | 15.94     | 343                                     | 17.58 | 142                                           | 67                                        | 6                                    | 19.30                      | 268    |
| 1957 | 19590                                       | 44               | 290         | 14.80     | 338                                     | 17.25 | 137                                           | 102                                       | 6                                    | 20.70                      | 303    |
| 1958 | 19710                                       | 38               | 300         | 15.22     | 343                                     | 17.40 | 113                                           | 90                                        | 9                                    | 30.00                      | 320    |
|      |                                             |                  |             |           |                                         |       |                                               |                                           |                                      |                            | 16.24  |

Area of District in acres (land and inland water): 1,700 (exclusive of foreshore); 2,579 (inclusive of foreshore).  
Total population at all ages: 18,745 (at Census, 1951). Estimated population: 19,710.



TABLE III.—REGISTRAR-GENERAL'S RETURNS.

| Causes of Death                                  |                     | Males  | Females |
|--------------------------------------------------|---------------------|--------|---------|
| All Causes ... ..                                |                     | 158    | 159     |
| 1. Tuberculosis—Respiratory ... ..               |                     | —      | —       |
| 2. Tuberculosis—Other ... ..                     |                     | —      | —       |
| 3. Syphilitic Disease ... ..                     |                     | —      | —       |
| 4. Diphtheria ... ..                             |                     | —      | —       |
| 5. Whooping Cough ... ..                         |                     | —      | —       |
| 6. Meningococcal Infections ... ..               |                     | —      | 1       |
| 7. Acute Poliomyelitis ... ..                    |                     | —      | —       |
| 8. Measles ... ..                                |                     | —      | —       |
| 9. Other Infective and Parasitic Diseases... ..  |                     | 1      | —       |
| 10—14. Malignant Disease (Cancer)... ..          |                     | 21     | 32      |
| 15. Leukaemia, Aleukaemia... ..                  |                     | —      | 1       |
| 16. Diabetes ... ..                              |                     | —      | 1       |
| 17. Vascular Lesions of Nervous System ... ..    |                     | 20     | 21      |
| 18. Coronary Disease—Angina ... ..               |                     | 48     | 32      |
| 19. Hypertension with Heart Disease... ..        |                     | 2      | 7       |
| 20. Other Heart Disease ... ..                   |                     | 24     | 26      |
| 21. Other Circulatory Disease ... ..             |                     | 7      | 6       |
| 22. Influenza ... ..                             |                     | 1      | —       |
| 23. Pneumonia ... ..                             |                     | 5      | 8       |
| 24. Bronchitis ... ..                            |                     | 5      | 4       |
| 25. Other Diseases of the Respiratory System     |                     | —      | 1       |
| 26. Ulcer of Stomach and Duodenum ... ..         |                     | 2      | 1       |
| 27. Gastritis, Enteritis and Diarrhoea ... ..    |                     | —      | 1       |
| 28. Nephritis and Nephrosis ... ..               |                     | —      | —       |
| 29. Hyperplasia of Prostate ... ..               |                     | 2      | —       |
| 30. Pregnancy, Childbirth, Abortion ... ..       |                     | —      | —       |
| 31. Congenital Malformations ... ..              |                     | —      | 2       |
| 32. Other Defined and Ill-defined Diseases... .. |                     | 12     | 12      |
| 33. Motor Vehicle Accidents ... ..               |                     | 2      | 2       |
| 34. All Other Accidents ... ..                   |                     | 5      | 1       |
| 35. Suicide ... ..                               |                     | 1      | —       |
| 36. Homicide and Operations of War ... ..        |                     | —      | —       |
| Special Causes (included in No. 32 above):       |                     |        |         |
| Smallpox... ..                                   |                     | —      | —       |
| Polioencephalitis ... ..                         |                     | —      | —       |
| Deaths of<br>Infants under<br>1 year             | Total ... ..        | 3      | 6       |
|                                                  | Legitimate ... ..   | 3      | 6       |
|                                                  | Illegitimate ... .. | —      | —       |
| Deaths of<br>Infants under<br>4 weeks of age     | Total ... ..        | 3      | 5       |
|                                                  | Legitimate ... ..   | 3      | 5       |
|                                                  | Illegitimate ... .. | —      | —       |
| Live Births                                      | Total ... ..        | 149    | 151     |
|                                                  | Legitimate ... ..   | 137    | 148     |
|                                                  | Illegitimate ... .. | 12     | 3       |
| Still Births                                     | Total ... ..        | 2      | 3       |
|                                                  | Legitimate ... ..   | 2      | 3       |
|                                                  | Illegitimate ... .. | —      | —       |
| Resident Population (Estimated Mid-year) ...     |                     | 19,710 |         |



TABLE IV.—CAUSES OF, AND AGES AT, DEATH DURING 1958.

Name of District: Rhyl Urban. Local Returns: Age Periods.

| Causes of Death                                    | All Ages | Under 5 years | 5 and under 14 years | 15 and under 24 years | 25 years to 44 years | 45 years to 64 years | 65 years and over | Total Deaths, whether of Residents or Non-Residents in Hospitals in the District. |
|----------------------------------------------------|----------|---------------|----------------------|-----------------------|----------------------|----------------------|-------------------|-----------------------------------------------------------------------------------|
| 1. Tuberculosis, respiratory... ..                 | 1        | —             | —                    | —                     | —                    | —                    | 1                 | —                                                                                 |
| 2. Tuberculosis, other ... ..                      | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 3. Syphilitic disease ... ..                       | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 4. Diphtheria... ..                                | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 5. Whooping Cough ... ..                           | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 6. Meningococcal infections... ..                  | 1        | 1             | —                    | —                     | —                    | —                    | —                 | 1                                                                                 |
| 7. Acute Poliomyelitis... ..                       | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 8. Measles ... ..                                  | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 9. Other infective and parasitic diseases ... ..   | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 10. Malignant neoplasm, stomach                    | 11       | —             | —                    | —                     | 1                    | 3                    | 7                 | 2                                                                                 |
| 11. Malignant neoplasm, lung bronchus ... ..       | 9        | —             | —                    | —                     | —                    | 5                    | 4                 | 1                                                                                 |
| 12. Malignant neoplasm, breast...                  | 6        | —             | —                    | —                     | —                    | 4                    | 2                 | 3                                                                                 |
| 13. Malignant neoplasm, uterus, etc. ... ..        | 6        | —             | —                    | —                     | —                    | —                    | 6                 | 4                                                                                 |
| 14. Other malignant and lymphatic neoplasms ... .. | 23       | —             | —                    | —                     | 2                    | 8                    | 13                | 27                                                                                |
| 15. Leukaemia, aleukaemia ... ..                   | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 16. Diabetes ... ..                                | 3        | —             | —                    | —                     | —                    | —                    | 3                 | 1                                                                                 |
| 17. Vascular lesions of nervous system ... ..      | 45       | 3             | —                    | —                     | 1                    | 8                    | 33                | 17                                                                                |
| 18. Coronary disease, angina ...                   | 70       | —             | —                    | —                     | 1                    | 16                   | 53                | 20                                                                                |
| 19. Hypertension with heart disease ... ..         | 5        | —             | —                    | —                     | —                    | 1                    | 4                 | 1                                                                                 |
| 20. Other heart diseases ... ..                    | 62       | —             | —                    | —                     | 2                    | 9                    | 51                | 10                                                                                |
| 21. Other circulatory diseases ..                  | 6        | —             | —                    | —                     | —                    | 1                    | 5                 | 5                                                                                 |
| 22. Influenza ... ..                               | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 23. Pneumonia ... ..                               | 6        | —             | —                    | —                     | 1                    | 2                    | 3                 | 7                                                                                 |
| 24. Bronchitis ... ..                              | 4        | —             | —                    | —                     | —                    | 1                    | 3                 | 1                                                                                 |
| 25. Other diseases of respiratory system ... ..    | 5        | —             | —                    | —                     | —                    | 1                    | 4                 | 3                                                                                 |
| 26. Ulcer of stomach and duodenum ... ..           | 2        | —             | —                    | —                     | —                    | —                    | 2                 | 3                                                                                 |
| 27. Gastritis, enteritis, diarrhoea                | 1        | —             | —                    | —                     | 1                    | —                    | —                 | 6                                                                                 |
| 28. Nephritis and nephrosis ... ..                 | 3        | —             | —                    | —                     | —                    | 1                    | 2                 | 5                                                                                 |
| 29. Hyperplasia of prostate ... ..                 | 5        | —             | —                    | —                     | —                    | —                    | 5                 | 7                                                                                 |
| 30. Pregnancy, childbirth, abortion ... ..         | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 31. Congenital malformations, etc.                 | 4        | 4             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| 32. Other defined and ill-defined diseases ... ..  | 34       | 1             | —                    | 1                     | 1                    | 3                    | 28                | 22                                                                                |
| 33. Motor vehicle accidents ... ..                 | 2        | —             | —                    | —                     | —                    | —                    | 2                 | 3                                                                                 |
| 34. All other accidents ... ..                     | 4        | 1             | 1                    | 1                     | —                    | —                    | 1                 | 6                                                                                 |
| 35. Suicide ... ..                                 | 2        | —             | —                    | —                     | 1                    | 1                    | —                 | 1                                                                                 |
| 36. Homicide and operations of war ... ..          | —        | —             | —                    | —                     | —                    | —                    | —                 | —                                                                                 |
| Totals ... ..                                      | 320      | 10            | 1                    | 2                     | 11                   | 65                   | 231               | 157                                                                               |

**TABLE V.—INFANT MORTALITY DURING THE YEAR 1958.**  
 Nett deaths from stated causes at various Ages under 1 Year of Age.  
 Name of District: RHYL URBAN.

| Causes of Death                            | Under 4 weeks |     | 4 weeks and under 6 months |     | 6 months and under 12 months |     | Total Deaths under 1 year |
|--------------------------------------------|---------------|-----|----------------------------|-----|------------------------------|-----|---------------------------|
| All Causes:                                |               |     |                            |     |                              |     |                           |
| Certified ... ..                           | 8             | ... | 1                          | ... | —                            | ... | 9                         |
| Uncertified ... ..                         | —             | ... | —                          | ... | —                            | ... | —                         |
| Prematurity ... ..                         | 2             | ... | —                          | ... | —                            | ... | 2                         |
| Broncho-Pneumonia... ..                    | 1             | ... | —                          | ... | —                            | ... | 1                         |
| Congenital Defects ... ..                  | 1             | ... | 1                          | ... | —                            | ... | 2                         |
| Meningo myelocele and Hydrocephalus ... .. | 1             | ... | —                          | ... | —                            | ... | 1                         |
| Cerebral Haemorrhage... ..                 | 3             | ... | —                          | ... | —                            | ... | 3                         |
| Total ... ..                               | 8             | ... | 1                          | ... | —                            | ... | 9                         |

|                                                        |     |   |                             |     |
|--------------------------------------------------------|-----|---|-----------------------------|-----|
| Nett Births registered during the calendar year ... .. | 300 | { | Legitimate ... ..           | 285 |
|                                                        |     | { | Illegitimate ... ..         | 15  |
| Nett Deaths registered during the calendar year ... .. | 9   | { | Legitimate Infants ... ..   | 9   |
|                                                        |     | { | Illegitimate Infants ... .. | —   |

### ISOLATION HOSPITAL RETURNS.

Patients admitted to Hospital

| 1958         | Scarlet Fever | Meningitis (Suspect) | Diphtheria | Do. Suspect | Measles | Dysentery | Do. Suspect | Poliomyelitis | Do. Suspect | Whooping Cough | Total |
|--------------|---------------|----------------------|------------|-------------|---------|-----------|-------------|---------------|-------------|----------------|-------|
| January ...  | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| February ... | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| March ...    | 2             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | 2     |
| April ...    | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| May ...      | 3             | —                    | —          | —           | —       | —         | —           | 1             | —           | —              | 4     |
| June ...     | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| July... ..   | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| August... .. | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| September .  | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| October ...  | 2             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | 2     |
| November ..  | —             | —                    | —          | —           | —       | —         | —           | —             | —           | —              | —     |
| December ..  | —             | —                    | —          | —           | —       | —         | —           | 1             | —           | —              | 1     |
| Totals ...   | 7             | —                    | —          | —           | —       | —         | —           | 2             | —           | —              | 9     |

During the last ten years the number of cases of Infectious Diseases admitted to Hospital, and the Mortality Rates are as follows :—

| Year        | Cases<br>Admitted | Deaths | Mortality<br>Rate per 1,000 |
|-------------|-------------------|--------|-----------------------------|
| 1949 ... .. | 7                 | 1      | 142.9                       |
| 1950 ... .. | 25                | 1      | 40.0                        |
| 1951 ... .. | 20                | —      | —                           |
| 1952 ... .. | 20                | —      | —                           |
| 1953 ... .. | 24                | 1      | 41.7                        |
| 1954 ... .. | 28                | 1      | 35.7                        |
| 1955 ... .. | 29                | —      | —                           |
| 1956 ... .. | 9                 | —      | —                           |
| 1957 ... .. | 5                 | —      | —                           |
| 1958 ... .. | 9                 | —      | —                           |

Herewith I append the Reports and Statistics supplied to me by the Chief Public Health Inspector, Mr. E. L. Lloyd Jones, and the report of the action taken under the Food and Drugs Act, 1955.

Finally, I desire to express to the members of the Council and the Officials my sincere thanks for their encouragement and assistance during the year.

(Signed) R. RHYDWEN, D.S.C., M.B., D.P.H.,  
 July, 1959. Medical Officer of Health.



# CHIEF PUBLIC HEALTH INSPECTOR'S REPORT

**For the Year ended 31st December, 1958.**

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Mr. Chairman and Gentlemen,

I have pleasure in presenting my twenty-sixth Annual Report for the year 1958.

During the year Improvement Grants were made in eight instances under the Housing Act, 1949, Housing Repairs and Rents Act, 1954, and Rent Act, 1957, making a total of 18 since the Act came into force.

32 applications for Certificate of Disrepair under the Rent Act, 1957, were received and dealt with in the following manner:—

17 Certificates were issued, 13 Undertakings, received from Landlords to carry out the work required within the Statutory Period, were accepted. One application was invalid and in one instance the local authority took action under Section 16 of the Housing Act, 1957. The application was, therefore, not proceeded with.

The number of houses erected by the Council were 23, this being a reduction of 21 on the previous year. The 23 houses erected were for the purpose of re-housing families displaced as a result of action taken under the Housing Act, 1957. There were no houses erected for "general needs," the reason being the difficulty of raising capital monies for the erection of houses at a rate of interest which would provide homes at a reasonably economic rent and, although the Council were most anxious to provide more homes for the people, they felt that the wisest course was to call a temporary halt to general house building.

The work of Slum Clearance under the five year programme has proceeded, and during the year five Clearance Orders were confirmed, namely, No. 4 Clearance Order, 88, 88a, 88b, Vale Road; 6, 8, 9, 10, 12, 14, 16 Morfa Bach; also building No. 7, 11, 13, 15 and 17 Morfa Bach. No. 5 Clearance Order, 3/19



and 2/18 West Street, 1/19 Stanmore Street. No. 6 Clearance Order, 7a, 7b, 7c Water Street. No. 7 Clearance Order, 12, 13, 14, 15, 16, 17 St. Helen's Place. No. 8 Clearance Order, 1 and 2 Windsor Villas.

Every effort is made to re-house the families living in unfit houses as smoothly as possible, with particular emphasis on preventing anxiety in the minds of many of the elderly occupants, particularly when they have to face a great increase in rent, but by co-operation between the Department and the National Assistance Board, I am happy to relate that all anxiety is dispelled before the tenants are moved.

The differential rent scheme referred to in the last report is working very satisfactorily, and upon the financial year's working it is fair to say that the housing accounts are self-maintaining and the individual ratepayer has not been called upon to make up any deficiency in the Housing Revenue Account.

I referred to the under-occupation of Council houses in my last report, and during the year a local organisation took this matter up, with the result that I addressed the organisation and pointed out to them several difficulties which arise, the biggest difficulty being a sentimental attachment to a house where a family has been brought up, who, in their turn, have married and left the "home," and either the Mother or the Father has died and the one remaining there wishing to end their days in the old "home."

The Council continues to loan money for the purchase of old and new houses and for the financial year ending 31st March, 1959, the sum was £82,925. The total loaned to date is £225,821. The total number of houses erected by the Council since re-building commenced after the war is 988.

We continue to exercise vigilance in an endeavour to secure compliance with the requirements of the Food and Drugs Act, 1955, and the Regulations made thereunder. In seaside resorts this poses many problems, as with an influx of casual labour into the catering trade, the educating of the food handlers is a difficult matter. But despite this, we continue to persevere by personal example and patient repetition of educational matter to Staffs. One instance of food poisoning outbreak was reported and by the adoption of stringent measures it was cleared up in the course of a few days.

I referred to the fact in my last report, that a new sewerage scheme was under consideration. I am sorry to report that it

would appear the scheme is not much further ahead. The strain on main sewers, particularly during abnormal wet weather, is very severe and leads to a certain amount of flooding. I trust that energetic steps will be taken to ensure that the scheme, now on the drawing board, will have at least commenced before the writing of the next Annual Report.

The second outlet constructed by the Dee and Clwyd River Catchment Board from the Rhyl Cut to the river has had a testing time during the year. Whilst there has been an improvement, I am far from convinced that it is the answer to the flooding problem in the eastern part of the district during heavy rainfalls.

The Council provide a free 24-hour service for the unstopping of choked drains, water closets, and other sanitary fittings and, whilst I am sure this is appreciated by the public, I would make an appeal to the ratepayers to endeavour to notify the Department of their difficulty before 5 p.m. in the afternoon and 12 noon on Saturday, as I have found several instances where the drain has been known to be choked for many hours, and in some instances days, before the Department is notified.

The eight camping grounds within the Urban District, for which permission is granted under the Rhyl Urban District Council Act, 1935, have been kept under close observation, and I must say that the management have endeavoured at all times to keep up a high standard of cleanliness. The collection of refuse on these camping sites does present a serious problem during the summer period.

Finally, I would like to express my sincere thanks to the Chairman and Members of my Committee, my colleagues, the Medical Officer of Health, fellow officials in all Departments of the Council, and to all members of the indoor and outdoor staffs for their loyal support and co-operation.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

E. L. LLOYD JONES,

Chief Public Health Inspector.



**TABLE I.—GENERAL SUMMARY.**

|                                                                       |      |
|-----------------------------------------------------------------------|------|
| Number of Complaints Received ... ..                                  | 2029 |
| Number of Drains and W.C.s Released and Cleansed by Department ... .. | 2146 |
| Number of Nuisances found (including under Factories Act) ...         | 158  |
| Number of Nuisances Abated ... ..                                     | 129  |
| Number of Preliminary Notices Served ... ..                           | 92   |
| Number of Statutory Notices Served ... ..                             | 15   |

**SUMMARY OF VISITS AND INSPECTIONS.**

|                                             |      |
|---------------------------------------------|------|
| Public Health Acts—                         |      |
| Complaints ... ..                           | 575  |
| Infectious Disease ... ..                   | 15   |
| Refuse Collection and Disposal ... ..       | 274  |
| Schools ... ..                              | 8    |
| Offensive Trades ... ..                     | 5    |
| Smoke Observations ... ..                   | 5    |
| Water Supply ... ..                         | 16   |
| Public Conveniences ... ..                  | 25   |
| Swimming and Paddling Pools ... ..          | 56   |
| Camping Grounds ... ..                      | 40   |
| Drain Tests, etc.—Smoke Machine ... ..      | 30   |
| Theatres and Cinemas ... ..                 | 14   |
| Verminous Premises ... ..                   | 46   |
| Factories and Workplaces ... ..             | 375  |
| Rats and Mice ... ..                        | 2674 |
| Housing Acts—Inspections ... ..             | 210  |
| Houses Let in Lodgings ... ..               | 41   |
| Council House Inspections ... ..            | 360  |
| Pet Animals Act—Inspections ... ..          | 10   |
| Shops Act, 1950—Welfare Arrangements ... .. | 45   |
| Housing Applicants Visited ... ..           | 276  |

**FOOD AND DRUGS ACTS REGULATIONS****SUMMARY OF VISITS AND INSPECTIONS**

|                                   | Registered | Visits |
|-----------------------------------|------------|--------|
| Abattoir (Municipal) ... ..       | —          | 890    |
| Butchers ... ..                   | 22         | 460    |
| Bakehouses ... ..                 | 17         | 125    |
| Boarding Houses and Hotels ... .. | 272        | 252    |
| Confectioners ... ..              | 19         | 102    |
| Dairies and Milkshops ... ..      | 66         | 75     |
| Fishmongers and Poulterers ... .. | 13         | 165    |
| Fish and Chip Shops ... ..        | 25         | 70     |
| Food Factories ... ..             | 3          | 72     |
| Grocers ... ..                    | 42         | 500    |
| General Stores ... ..             | 20         | 123    |
| Greengrocers ... ..               | 28         | 75     |
| Holiday Camp Kitchens ... ..      | 1          | 20     |



|                                       | Registered | Visits |
|---------------------------------------|------------|--------|
| Ice Cream—                            |            |        |
| Retailers ... ..                      | 154        | 230    |
| Wholesalers ... ..                    | 3          | 60     |
| Manufacturers ... ..                  | 3          | 45     |
| Kiosks ... ..                         | 10         | 42     |
| Mobile Vans ... ..                    | 7          | 20     |
| Multiple Stores ... ..                | 2          | 94     |
| Licensed Clubs ... ..                 | 17         | 42     |
| Public Houses ... ..                  | 36         | 90     |
| Snack Bars ... ..                     | 12         | 32     |
| Stalls—Shellfish ... ..               | 3          | 16     |
| Stalls—Miscellaneous ... ..           | 14         | 60     |
| Sweets and Minerals ... ..            | 38         | 14     |
| Restaurants and Cafes ... ..          | 88         | 520    |
| Wholesale—                            |            |        |
| Grocers ... ..                        | 3          | 60     |
| Greengrocers ... ..                   | 1          | 25     |
| Sugar Confectioners ... ..            | 5          | 4      |
| Butchers (situate in Abattoir) ... .. | 2          | —      |
| Poulterers ... ..                     | 1          | 35     |

TABLE II.—SANITARY DEFECTS.

|                                                                  |     |
|------------------------------------------------------------------|-----|
| Damp Living and Bed Rooms ... ..                                 | 30  |
| Defective Chimney Pots, Flues and Stacks ... ..                  | 3   |
| Defective Roofs ... ..                                           | 19  |
| Defective Floors, Living and Bed Rooms ... ..                    | 7   |
| Defective Gutters and Downspouting ... ..                        | 11  |
| Defective Plaster, Wall and Ceilings ... ..                      | 4   |
| Defective Skylights, Window Glazing and Frames, Casing and Doors | 9   |
| Cords to Windows and Fastenings ... ..                           | 3   |
| Defective Fire Grates ... ..                                     | 2   |
| Remove Accumulation, Manure and Refuse ... ..                    | 11  |
| Defective Yard Surface ... ..                                    | 1   |
| Defective Dust Bins ... ..                                       | 6   |
| Animals in such a state as to be a Nuisance ... ..               | 1   |
| Offensive Effluvia ... ..                                        | 1   |
| General Defects ... ..                                           | 6   |
| Filthy Dwelling ... ..                                           | —   |
| Total ... ..                                                     | 114 |

## R.U.D.C. ACT, 1936.

|                                    |    |
|------------------------------------|----|
| Choked and Defective Drains ... .. | 17 |
|------------------------------------|----|

## PUBLIC HEALTH ACT, 1936: SECTION 75.

|                                                   |     |
|---------------------------------------------------|-----|
| Defective, or want of, Dustbins (Supplied) ... .. | 471 |
| Defective, or want of, Dustbins (Trade) ... ..    | 98  |

**FOOD HYGIENE REGULATIONS, 1955.**

| Regulation<br>No. |                                                                  | Infringements |          |
|-------------------|------------------------------------------------------------------|---------------|----------|
|                   |                                                                  | Found         | Remedied |
| 5                 | Cleanliness of Equipment ... ..                                  | 6             | 4        |
| 8                 | Protection from risk of Contamination                            | 5             | 5        |
|                   | Sanitary Conveniences—                                           |               |          |
| 14 (1) (a)        | Clean and Efficient Order ... ..                                 | 3             | 3        |
| 14 (2)            | Lighting and Ventilation ... ..                                  | 2             | —        |
| 14 (4)            | Communicating with Food Room                                     | —             | —        |
| 14 (5)            | Notices re. Hand Washing ... ..                                  | 16            | —        |
| 16 (1)            | Wash-hand Basins ... ..                                          | 2             | 2        |
| 16 (2)            | Absence of Hot Water ... ..                                      | —             | —        |
| 16 (3)            | Absence of Soap, Towels, Nailbrushes                             | 6             | 6        |
| 17                | First Aid Materials ... ..                                       | 3             | —        |
| 18                | Accommodation for Clothing, etc. ...                             | 1             | 1        |
| 19                | Facilities for washing Food and<br>Equipment ... ..              | —             | —        |
| 22                | Food Room not to be/or communicate<br>with Sleeping Place ... .. | —             | —        |
| 23                | Cleanliness & Repair of Food Rooms                               | 30            | 21       |
| 24                | Accumulation of Refuse ... ..                                    | 11            | 11       |
| 28                | Supply of Water to Stalls ... ..                                 | 3             | 3        |
|                   | Total ... ..                                                     | 88            | 56       |
| 9                 | Notices re Spitting/Smoking (not<br>obligatory) ... ..           | 21            |          |

**DRAINAGE: WATER CLOSETS AND WATER SUPPLY.**

|                                                        |    |
|--------------------------------------------------------|----|
| Defective W.C., Walls, Roofs and Doors ... ..          | 9  |
| Defective Fittings, W.C., Sinks and Baths ... ..       | 2  |
| Defective Drains ... ..                                | 10 |
| Defective Access Covers, Chambers and Brickwork ... .. | 11 |
| Defective Water Supply to W.C.s ... ..                 | 2  |
| Defective Soil Pipes ... ..                            | 1  |
| Defective Hot Water Systems ... ..                     | —  |
| Filthy W.C. Premises, Basins and Urinals ... ..        | 1  |
| Defective Sink Waste Pipes ... ..                      | —  |
| Choked Drains ... ..                                   | —  |
| Defective Cesspools/Soakaway ... ..                    | —  |
| Choked Ditch ... ..                                    | 1  |
|                                                        | —  |
|                                                        | 37 |

**RHYL U.D.C. ACT, 1935.**

In 17 instances during the year, 24-hour Notices were served upon the Owners under Section 82 of the Rhyl Urban District Council Act, 1935, to attend to defective drains and fittings, and in two cases the work was carried out by the Council, in default, the cost being charged against the Owners.

## FACTORIES ACT, 1937 AND 1948.

Prescribed Particulars on the Administration of the Factories Act, 1937, Section 128(3).

### Part I. of the Act.

1.—Inspections for purposes of provision as to health (including inspections made by Public Health Inspectors):—

| Premises                                                                                                          | No. on Register | No. of Inspections | No. of written notices |
|-------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|------------------------|
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authority ... ..                     | 33              | 100                | —                      |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..                   | 123             | 72                 | 5                      |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers Premises)... .. | 11              | 29                 | —                      |
| Total ... ..                                                                                                      | 167             | 201                | 5                      |

2.—Cases in which defects were found:—

| Particulars                                                                       | No. Found | No. Remedied | Referred to H.M. Ins'tor. | Referred by H.M. Ins'tor. |
|-----------------------------------------------------------------------------------|-----------|--------------|---------------------------|---------------------------|
| Want of Cleanliness (S.1)... ..                                                   | 1         | 1            | —                         | —                         |
| Inadequate Ventilation (S.4) ...                                                  | 1         | 1            | —                         | —                         |
| Ineffective Drainage of Floors (S.6)... ..                                        | —         | —            | —                         | —                         |
| Sanitary Conveniences (S.7):                                                      |           |              |                           |                           |
| (a) Insufficient... ..                                                            | —         | —            | —                         | —                         |
| (b) Unsuitable or Defective                                                       | 1         | 1            | —                         | 1                         |
| (c) Not Separate for Sexes                                                        | —         | —            | —                         | —                         |
| Other offences against the Act (not including offences relating to Outwork)... .. | 4         | 4            | —                         | 4                         |
| Total... ..                                                                       | 7         | 7            | —                         | 5                         |

### TABLE III.—INFECTIOUS DISEASES.

|                                                                |    |
|----------------------------------------------------------------|----|
| Number of Cases Removed to Isolation Hospital ... ..           | 9  |
| Number of Rooms Disinfected, Lamp and Spray ... ..             | 11 |
| Number of Rooms Disinfected, Spray only ... ..                 | 8  |
| Number of Houses Disinfected, Spray ... ..                     | 6  |
| Number of Houses Disinfected, Lamp and Spray ... ..            | 3  |
| Number of Wards or Cubicles Disinfected ... ..                 | 1  |
| Number of Schools Disinfected, Spray ... ..                    | 12 |
| Number of Motor Ambulances, Taxis or Cars Disinfected ... ..   | —  |
| Number of Caravan Trailers or Huts Disinfected, Spray only ... | 2  |
| Number of Pre-fabs or Chalets Disinfected, Lamp and Spray ...  | 6  |
| Miscellaneous ... ..                                           | 2  |



|                                                            |     |
|------------------------------------------------------------|-----|
| Number of Articles Destroyed with Consent of Owner ... ..  | 27  |
| Number of Articles Disinfected by Steam ... ..             | 710 |
| Number of Articles Disinfected by Lamp and/or Spray ... .. | 1   |
| Disinfector used (Steam) ... ..                            | 42  |
| Number of Articles Hot Air Dried ... ..                    | —   |

**TABLE IV.—DISINFESTATION.**

|                                                              |    |
|--------------------------------------------------------------|----|
| Number of Rooms Disinfested (D.D.T.) ... ..                  | 22 |
| Number of Wards or Cinemas and Theatres Disinfested (D.D.T.) | —  |
| Number of Houses Disinfested (D.D.T.) ... ..                 | 15 |
| Miscellaneous Items (D.D.T.) ... ..                          | 5  |
| Number of Houses or Flats Disinfested (Smoke Generators) ... | 2  |
| Number of Hospitals Partly Disinfested (Spray D.D.T.) ... .. | 5  |
| Number of Houses Disinfested by D.D.T. Powder ... ..         | 1  |

**TABLE V.—REFUSE COLLECTION.**

|                                          |                   |
|------------------------------------------|-------------------|
| Loads of Domestic Refuse to Tip ... ..   | 3,659             |
| Loads of Trade Refuse and Salvage ... .. | 1,162             |
| Loads of Fish Refuse to Tip... ..        | 64                |
|                                          | <hr/> 4,885 <hr/> |

258 Working Days. Total Loads 4,885—18.16 per working day.

### **FOODSTUFFS.**

The details of foodstuffs voluntarily surrendered during the year would still appear to be formidable, but I would re-iterate that the surrender enables retailers to obtain credit for these goods on production of a certificate issued by the Department. I would say that this system is welcomed, despite the fact that, in many instances, it means the issuing of a number of certificates for individual items. It does encourage the retailer to call in the Public Health Inspector for expert advice, and so ensure that any doubtful commodity is not offered to the public for human consumption.

During the year a few complaints were received of foreign matter in foodstuffs, the incidents were fully investigated and, in each case, the facts were reported to the Council, who considered the matter without the name of the individual person or firm being disclosed, and in each case where there had been no previous complaint, a warning was issued.

#### **List of Foodstuffs condemned.**

Bacon 74lbs., Meat 196lbs. 4ozs. and 423 tins, Vegetables 734 tins, Fruit 3 boxes and 944 tins, Soup 57 tins, Fish 27lbs. and 105 tins, Milk 109 tins, Coffee 60 tins, Cream 13 tins, Meat and Veg. 4 tins, Spaghetti 2 tins, Potato Crisps 30 packets, Tapioca 2 doz. packets, Pearl Barley 2 doz. packets, Fat 3½lbs., Salad Cream 12 jars, Sandwich Spread 2 jars, Lemons 571, Mayonnaise 30 jars, Jellies 19, Chickens 24, Ground Rice 7lbs. and 160 packets, Sago 2 lbs., Glace Cherries 4lbs., Baby Food 32 tins, Milk Shake Drinks 7 jars, Milk Drink 1 tin, Fruit Drinks 2¼ jars and 2lbs., Assorted Essences 10 jars and 1 bottle, Custard Powder 3 packets, Cold Set Custard 5 boxes, Dried Milk Powder 2 tins, Cut Peel

1 jar, Cloves 1lb., Pastry 2 packets, Creamed Rice 19 packets, Olives 1 jar, Marmalade 10 jars, Jam 13 jars, Fish Paste 1 jar, Meat Paste 1 jar, Fruit Juice 1 bottle, Capers 2 jars, Cheese 62 boxes and 96½lbs., Spread 1 packet, Mixed Pickles 3 jars, Sultanas 12½ kilo., Lemon Curd 1 jar, Waffles 2, Cakes 12, Cocoa 6 tins, Stuffing 1 packet, Blanc Mange Powder 3½lbs., Cochineal ½-bottle, Frozen Chicken Pies 7, Flour 18lbs., Cereals 143 packets.

A copy of the Report for the period 1st January to 31st December, 1958, received from Mr. Elwyn Lewis, M.R.S.H., F.A.P.H.I., County Public Health Inspector, who is responsible to the County for samples taken in Rhyl and District under the Food and Drugs Act, 1955, is appended hereunder:—

### FOOD AND DRUGS ACT, 1955.

**Samples taken under the Food and Drugs Act, 1955, in the Rhyl U.D.C. Area during the Year ended 31st December, 1958.**

| Description of Article.    | Number of<br>Samples<br>taken | Genuine         | Not genuine or<br>below standard |
|----------------------------|-------------------------------|-----------------|----------------------------------|
| Milk ... ..                | 30                            | 30              | —                                |
| Dairy Produce... ..        | 4                             | 4               | —                                |
| Ice Cream and Lollies ...  | 14                            | 14              | —                                |
| Alcoholic Drinks ... ..    | 5                             | 5               | —                                |
| Sausages ... ..            | 15                            | 15              | —                                |
| Cooked Meats and Pies ...  | 5                             | 5               | —                                |
| Cooking Fats and Oils ...  | 6                             | 6               | —                                |
| Cakes and Confectionery    | 11                            | 11              | —                                |
| Fish and Meat Products     | 3                             | 3               | —                                |
| Spices and Condiments ...  | 2                             | 2               | —                                |
| Patent Medicines ... ..    | 6                             | 6               | —                                |
| Miscellaneous Groceries... | 9                             | 9               | —                                |
| Vegetables and Fruit... .. | 5                             | 5               | —                                |
|                            | <hr/> 115 <hr/>               | <hr/> 115 <hr/> | <hr/> — <hr/>                    |

The vegetables and fruit were examined for chemical contamination from excessive spraying. Traces of arsenic were found on the fruit and also in the soil adhering to the potatoes. It appears that arsenical solutions are used to kill off the potato hulms to facilitate the lifting of the potatoes by mechanical means.

The amounts of arsenic found were well below the recommended maximum.

(Signed) ELWYN LEWIS,

County Public Health Inspector and  
Food and Drugs Inspector.

### DAIRIES, COWSHEDS AND MILKSHOPS.

The following table gives the number of dealers operating within the district:—

|                                                          |    |
|----------------------------------------------------------|----|
| Resident Retailers (Shops, etc.) ... ..                  | 66 |
| Resident Cowkeepers and Retailers/Wholesalers ... ..     | 1  |
| Non-resident Cowkeepers and Retailers/Wholesalers ... .. | 12 |
| Non-resident Retailers ... ..                            | 2  |
| Non-resident Wholesalers ... ..                          | 4  |



The approximate number of Cows kept by Resident Cow-keepers is about 50, so that over 90 per cent. of the milk consumed in Rhyl is produced outside the district boundary.

### MILK SUPPLY.

The retailing of milk within the Urban District has now been reduced to less than 6 retailers. Despite this fact, 16 to 20 samples of milk are taken each month, due to the grades of milk sold by the various retailers.

The selling of milk in bottles from shops seems to be on the increase.

The problem of dirty bottles does not seem to diminish, although from all the evidence produced it would appear to be impossible for a dirty bottle to be used for containing milk. I often wonder how this does happen as in many instances the contamination is patent to the naked eye, and whilst managements provide, at enormous cost, the necessary plant and equipment to ensure that a bottle is clean, I am still of the opinion that the human element in the inspection of the bottles after passing through the cleaning machinery is often at fault.

Legal proceedings were instituted before the Magistrates against three retailers of milk for failing to ensure milk bottles were clean in accordance with the requirements of Article 26 of the Milk and Dairies Regulations, 1949, and in each case the defendants were found guilty and fines imposed as follows: Case No. 1, £10; Case No. 2, £10; Case No. 3, £30.

Regular Bacteriological sampling of milk is carried out. During the year 191 samples of milk were taken—178 satisfactory and 13 unsatisfactory.

56 samples were Pasteurised milk, 4 being unsatisfactory; 39 samples of Tuberculin-tested (Pasteurised) milk, 3 of which were unsatisfactory; 36 samples of Sterilised milk were all satisfactory; and 60 Tuberculin tested samples, of which 6 were unsatisfactory.

I must make mention of the fact that less than 7 per cent. of the samples of milk taken during the year for bacteriological examination were unsatisfactory, and whilst in the past I have often criticised milk production, particularly of raw milks, I must say the results of the year 1958 are gratifying.

Five samples of milk, viz., 3 T.T., 2 T.T. Jersey were also tested for T.B. or Brucella Infection. One T.T. sample showed



evidence of Brucella Infection only. This was investigated and the Medical Officer of Health, together with officers of the Ministry of Agriculture, Fisheries and Food, also with the producer concerned, dealt with the matter energetically, with the result that later samples proved negative. I may add production of the milk was outside the Urban boundary.

### ICE CREAM.

The following table gives the number of manufacturers and retailers of ice cream registered within the district under the Rhyl Urban District Council Act, 1935 (Section 100):—

|                                             |       |
|---------------------------------------------|-------|
| Manufacturers and Retailers ... ..          | 8     |
| Retailers (including 7 Mobile Shops) ... .. | 161   |
| Wholesale Distributors (Storage) ... ..     | 3     |
|                                             | <hr/> |
|                                             | 172   |
|                                             | <hr/> |

The amount of ice cream sold in the town is reflected by the number of retailers on the register. During the year 142 samples were taken for bacteriological examination.

**Table of Samples Taken:**

|                               | Grade |       |       |       | Total |
|-------------------------------|-------|-------|-------|-------|-------|
|                               | 1     | 2     | 3     | 4     |       |
| Manufacturers/Retailers... .. | 16    | 2     | 1     | 0     | 19    |
| Retailers ... ..              | 52    | 4     | 4     | 2     | 62    |
| Wholesale Distributors ... .. | 61    | —     | —     | —     | 61    |
|                               | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
|                               | 129   | 6     | 5     | 2     | 142   |
|                               | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |

The number of samples taken was a decrease on the previous year, but the results were quite as satisfactory as in the previous year, for of the 142 samples, 2 only were in Grade IV. Despite this fact, I would say that, considering all the difficulties experienced, in a seaside resort, due to changes in temperature and a fluctuating population, the trade as a whole is co-operating to the full to give satisfaction.

### OFFENSIVE TRADES.

There are two Marine Stores registered under the Offensive Trade Clauses of the Public Health Act, 1936.

### PUBLIC ABATTOIR.

Animals slaughtered from 1st January, 1958, to 31st December, 1958:—

|                        |        |
|------------------------|--------|
| Cattle ... ..          | 1,256  |
| Calves ... ..          | 85     |
| Sheep and Lambs ... .. | 13,592 |
| Pigs... ..             | 4,605  |
|                        | <hr/>  |
|                        | 19,538 |
|                        | <hr/>  |

Meat condemned: 5 tons, 18 cwts., 0 qtr., 2 lbs.

There were 4 cases of *Cysticercus Bovis* detected during the year, which is a decrease of 9 over 1957. The carcasses were refrigerated for 21 days before release for human consumption.

It will be noted from the above figures that the number of animals slaughtered decreased by nearly 6,000, and this is entirely due to the fact that the Fatstock Marketing Corporation ceased operating from the Abattoir.

Two cases of suspected Swine Fever were detected. The facts were reported to the Animal Health Division of the Ministry of Agriculture, Fisheries and Food. The carcasses were destroyed by incineration on the premises and all contacted parts of the Abattoir were disinfected.

#### CARCASSES AND OFFAL INSPECTED AND CONDEMNED IN WHOLE OR IN PART FOR THE YEAR 1958.

|                                                                                                     | Cattle, excluding Cows | Cows | Calves | Sheep and Lambs | Pigs |
|-----------------------------------------------------------------------------------------------------|------------------------|------|--------|-----------------|------|
| Number killed (if known)...                                                                         | 1065                   | 191  | 85     | 13592           | 4605 |
| Number inspected ...                                                                                | 1065                   | 191  | 85     | 13592           | 4608 |
| <b>All diseases except Tuberculosis and Cysticerci:</b>                                             |                        |      |        |                 |      |
| Whole carcasses condemned ...                                                                       | 1                      | 1    | 9      | 28              | 14   |
| Carcasses of which some part or organ was condemned ...                                             | 349                    | 81   | 1      | 456             | 102  |
| Percentage of the number inspected affected with disease other than tuberculosis and cysticerci ... | 32.9                   | 42.9 | 11.8   | 3.6             | 2.5  |
| <b>Tuberculosis only:</b>                                                                           |                        |      |        |                 |      |
| Whole carcasses condemned ...                                                                       | —                      | —    | —      | —               | 3    |
| Carcasses of which some part or organ was condemned ...                                             | 12                     | 3    | —      | —               | 160  |
| Percentage of the number inspected affected with tuberculosis ...                                   | 1.13                   | 1.57 | —      | —               | 3.54 |
| <b>Cysticercosis:</b>                                                                               |                        |      |        |                 |      |
| Carcasses of which some part or organ was condemned ...                                             | 4                      | —    | —      | —               | —    |
| Carcasses submitted to treatment by refrigeration...                                                | 4                      | —    | —      | —               | —    |
| Generalised and totally condemned ...                                                               | —                      | —    | —      | —               | —    |

## REFUSE COLLECTION AND DISPOSAL.

The work of refuse collection and disposal continues to increase, due to the continual expansion of building on the outskirts of the area, together with the fact that, during the summer season, the removal of refuse from houses, shops and hotels is considerably affected by traffic congestion in the centre of the town, together with the fact that so many premises are now what is termed "lock-up," and it is impossible to collect before 9 o'clock in the morning. Despite these problems, I must say that the staff engaged on the work, which this year has on several occasions, had to be carried out under very adverse weather conditions, endeavour to carry out their duties in a cheerful and conscientious way, and I would again appeal to townspeople during the peak periods to be tolerant if their dustbin is not emptied always on the regular day at a precise time.

The operation of Section 75 of the Public Health Act, 1936, continues to prove a success, ratepayers as a whole have co-operated wholeheartedly. Up to 31/3/59 a total of 3,177 bins have been issued under the rental scheme. The number of bins issued under the scheme for the year ending 31st March, 1959, was 471. In addition, 146 bins were delivered to Council houses. The extra collection of refuse, from Whitsuntide to the end of September, has been taken advantage of by tradespeople, hotels and boarding houses, and the cost of this collection is 9d. per bin for each extra collection, in addition to the statutory collection of one per week. The work of disposal of refuse is 100 per cent. controlled tipping on marsh land at the Rhyl Cob, this land having been acquired from the Crown by the Council, and continues to be satisfactory.

The work of tipping up the present enclosed land on the Cob, Marsh Road, is proceeding apace, and I urgently stress that the second portion of the land westward of the present site to the River should be enclosed by a mud embankment to enable this to be available for tipping in 1960.

The whole of the work of collection of House Refuse is under the supervision of the Public Health Inspectors. One S. & D. Freighter, one Leyland Cub and four Dennis "Paxit" Refuse Collecting Vehicles are used.

The result of engaging a watchman has reduced fires on the tip to a minimum.



In 1957 the gross cost of collection was £23,651, whilst the income was £9,126, giving a net figure of £14,525. This year the gross cost was £23,343 and the income £7,118, giving a net cost of £16,225 (See page 36).

It will also be noted from the table showing the cost of refuse disposal (on page 36) that the net cost this year was £2,737 as against £3,161 last year, a decrease of £518, due mainly to decreased loan charges.

I would point out that the disposal figures include the disposal of street sweepings, refuse gathered off the beach, and gully emptyings, which are the responsibility of the Engineer and Surveyor, for which no charge is made by this Department.

### SALVAGE.

The gross amount of salvage collected and disposed of during the year showed a decrease of 111 tons on the figures for 1957, and was due chiefly to decreases on Waste Paper, which was less than the weight of 1957 by 105 tons.

The results of fixing quotas on the disposal of baled waste paper are also reflected in the decrease in tonnage, but despite this, I would still urge the townspeople to keep this material separate from other refuse and place it at a point easily accessible for the refuse collectors to move when they call.

#### Weight: 1st January to 31st December, 1958.

|                       | T.  | C. | Q. |                      | T.  | C. | Q. |
|-----------------------|-----|----|----|----------------------|-----|----|----|
| Waste Paper           | 690 | 2  | 2  | Lead... ..           | 3   | 3  |    |
| Iron ... ..           | 7   | 11 | 6  | Rags and Bagging ... | 23  | 12 | 0  |
| Baled Tins ... ..     | —   | —  | —  | Bottles and Jars     |     |    |    |
| Aluminium ... ..      | 1   | 0  | 0  | (397.75 grs.)... ..  | 23  | 8  | 0  |
| Copper ... ..         |     | 5  | 3  | Miscellaneous ... .. | 8   | 3  |    |
| Brass ... ..          |     | 11 | 3  |                      |     |    |    |
| Zinc and Pewter... .. |     | 2  | 3  |                      |     |    |    |
|                       |     |    |    |                      | 747 | 7  | 3  |

#### Income and Expenditure: 1st April 1958—31st March, 1959.

|                       |                     |
|-----------------------|---------------------|
| Income £6,527.        | Expenditure £4,718. |
| Excess of Income over | Expenditure £1,809. |

I append herewith table showing costs of Collection and Disposal:—

TABLE VI.—REFUSE.

Showing Cost of Refuse Collection and Disposal, Year 1958-59 (To 31st March, 1959).

| Particulars                                | Collection and Salvage |                        | Disposal (Tip)         |                        | Total                  |                        |
|--------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                                            | Including loan charges | Excluding loan charges | Including loan charges | Excluding loan charges | Including loan charges | Excluding loan charges |
| Gross Expenditure ... ..                   | £ 23343                | £ 22217                | £ 3065                 | £ 2582                 | £ 26408                | £ 24799                |
| Gross Income ... ..                        | 7118                   | 7118                   | 328                    | 328                    | 7446                   | 7446                   |
| Net Cost ... ..                            | 16225                  | 15099                  | 2737                   | 2254                   | 18962                  | 17353                  |
| Unit Costs—Gross Expenditure per Ton... .. | 38/10.86               | 37/0.34                | 5/1.30                 | 4/3.64                 | 44/0.16                | 41/3.98                |
| Gross Income per Ton... ..                 | 11/10.36               | 11/10.36               | 6.56d.                 | 6.56d.                 | 12/4.92                | 12/4.92                |
| Net Cost per Ton ... ..                    | 27/0.50                | 25/1.98                | 4/6.74                 | 3/9.08                 | 31/7.24                | 28/11.06               |
| Net Cost per 1,000 Population ... ..       | £823.19                | £766.06                | £138.86                | £114.36                | £962.05                | £880.42                |
| Net Cost per 1,000 Premises ... ..         | £2091.66               | £1946.50               | £352.84                | £290.58                | £2444.50               | £2237.08               |
| Net Cost, Equivalent Rate in the £ ... ..  | 11.43d.                | 10.63d.                | 1.90d.                 | 1.59d.                 | 1/1.33                 | 1/0.22                 |

NOTE.—The Table is prepared by taking several weighings as an average for the year.

Refuse removed during the year (approx.) ... .. 12,000 tons  
 Estimated Population (R.G.R., Mid-year 1958) ... .. 19,710  
 Number of Rated Premises ... .. 7,757  
 Total Rates in the £ ... .. 21/9  
 Product of a 1d. Rate ... .. £1,420

(Signed) E. L. LLOYD JONES, M.B.E.,  
 Chief Public Health Inspector.

## HOUSING.

The approximate number of Dwelling Houses for all classes is 6,803.

Houses erected during 1958:—

By the Council:—

|                                                         |    |
|---------------------------------------------------------|----|
| Permanent Houses and Flats erected ... ..               | 23 |
| Permanent Houses and Flats in course of erection ... .. | 6  |

By Private Enterprise:—

|                                     |     |
|-------------------------------------|-----|
| Houses and Bungalows erected ... .. | 142 |
|-------------------------------------|-----|

By the County Council:—

|                                                          |   |
|----------------------------------------------------------|---|
| Permanent Houses for Police ... ..                       | — |
| Permanent Houses for Police in course of erection ... .. | — |

|                                    |   |
|------------------------------------|---|
| Adaptations and Conversions ... .. | — |
|------------------------------------|---|

There are really no unhealthy areas in the district.

The staff engaged on Housing Inspections are the Public Health Inspectors, along with their other general duties.

The investigation of all applicants for Council houses is carried out by the Public Health Inspectors, and the actual letting of the houses after the allocation by the Council is carried out by this department.

Tenants are allowed one week to cleanse the house thoroughly before taking up occupation, and the premises are inspected after cleansing before the tenant is allowed to enter. This, in my opinion, is most important, as on subsequent visits, if the premises are not found to be clean, the tenant cannot use the argument that the house was dirty when he entered it.

The houses on the Council estates are visited and inspected during the year.

When existing houses become unoccupied, the premises are inspected, and if any signs of vermin are seen they are disinfested and thoroughly cleansed before a new tenant is allowed to take up occupation. In addition, a new tenant of a vacated house may be allowed up to four weeks rent in lieu of decorations.

During the year five Clearance Orders were confirmed by the Minister, comprising 55 dwellings. Six dwellings were dealt with individually under the provisions of the Housing Acts.

## SEWERAGE.

All sewerage of the town gravitates to a main pumping station in Westbourne Avenue, where it is pumped into two sewerage storage reservoirs of a total capacity of 1½ million gallons. The contents of the reservoirs are discharged into



the sea at a point approximately 1,000 yards from the sea wall, and the 30in. valve to the sea is opened half an hour after high water and closed 2 hours after high water, so that at all times of dry water flow the mouth of the sea outfall pipes is covered with a considerable depth of tidal water when it is discharged. During periods of heavy rainfall, the valve is opened for longer periods, but as Rhyl is a combined system, where the majority of rain and road surface water is diverted into the sewers, dilution is great.

The machinery at the pumping station consists of three gas engine driven pumps and three electric motor driven pumps, capable of discharging into the reservoirs 23,900 gallons per minute.

I append herewith a table showing the total gallons pumped, together with a daily average:—

|                  | Total Gallons Pumped    | Daily Average         |
|------------------|-------------------------|-----------------------|
| January ... ..   | 65,804,235              | 2,122,717             |
| February ... ..  | 123,222,009             | 4,400,786             |
| March ... ..     | 63,073,456              | 2,034,627             |
| April ... ..     | 40,881,334              | 1,362,711             |
| May ... ..       | 62,846,951              | 2,027,321             |
| June ... ..      | 71,223,739              | 2,977,127             |
| July ... ..      | 84,074,984              | 2,712,096             |
| August ... ..    | 85,526,107              | 2,758,913             |
| September ... .. | 99,067,084              | 3,302,236             |
| October ... ..   | 81,428,165              | 2,626,715             |
| November ... ..  | 55,397,276              | 1,513,242             |
| December ... ..  | 68,511,743              | 2,210,056             |
|                  | <hr/> 901,057,083 <hr/> | <hr/> 2,420,712 <hr/> |

#### **RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951.**

There are three premises, which are registered under the above Act, in the district.

#### **PET ANIMALS ACT, 1951.**

Three premises are registered under the above Act.

#### **RHYL URBAN DISTRICT COUNCIL ACT, 1956.**

Twenty-six Hairdressing Establishments have now been registered under the above Act.

#### **PREVENTION OF DAMAGE BY PEST ACT, 1949.**

##### **RATS AND MICE.**

Following the Government's lead in tackling this problem throughout the country, the Council have taken energetic measures in their area.

From 1st January to 31st December, 1958, 117 properties were treated for rats.

One hundred and nine properties, further to the above, were treated for mice, and 192 other properties were inspected.

The sewers were test-baited for the presence of rats, and four treatments were carried out in the areas where rat traces were found.

The Rhyl Cut was treated throughout its entire length in the Rhyl area.

Total number of visits made during the year for rats and/or mice: 2,624.

The latest methods of rodent destruction, as laid down by the Ministry of Agriculture, Fisheries and Food, are in operation.

#### SHOPS ACT, 1950.

The Public Health Inspectors are responsible for the whole of the administration of the Shops Act, 1950, the Council having delegated powers from the Flintshire County Council, with the exception of section 43 sub-section (2). The Council made the following Orders during the year:—

- 1—Sunday Trading Order, 1958, Section 51, exempting for 18 Sundays the Sunday Closing Provisions of the Act the sale of
  - (a) Any articles required for the purposes of bathing or fishing.
  - (b) Photographic Requisites.
  - (c) Toys, Souvenirs and Fancy Goods.
  - (d) Books, Stationery, Photographs, Reproductions and Postcards.
  - (e) Fried Fish and Chips.
- 2—Extension of Hours Order, 1958, for 18 weeks: Substituting for paragraph (b) of Section 2 of the Shops Act, 1950:
  - (a) At 9.30 p.m. in the evening on the late day.
  - (b) At 9 p.m. in the evening on any other day.
- 3—Rhyl (Suspension of Weekly Half-Holiday) Order, 1958, for 16 weeks.
- 4—The Rhyl (Extension of Hours) Exhibition Order, 1958.

Regular visits and inspections were made to see that the requirements of the Act were complied with. In one instance legal proceedings were instituted for failing to close a shop on a Sunday. The defendant was found guilty and fined:—

- (i) Failing to close shop on half-day (Section 19), fined £1/0/0.
- (ii) Failing to exhibit Notice (Section 1 (iii)), fined £1/0/0.
- (iii) Failing to close shop on Sunday (Section 47), fined £5/0/0.

## METEOROLOGY

For Statistical Tables see Pages 45—48.

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### MISCELLANEOUS.

The Instruments used are by Negretti and Zambra, and are situate in Westbourne Avenue (opposite the Pumping Station). They include a Maximum, Minimum, Dry and Wet Bulb Thermometers in a Stevenson Screen, a Grass Minimum Thermometer, Rain Gauge and Measure, a Campbell-Stokes Sunshine Recorder and a Wind Vane. A Hyetograph, giving the rate and duration of rainfall, is situate outside the Pumping Station. The Barometer (Kew pattern) and Thermometer attached is also at the Pumping Station.

At the Meteorological Kiosk on the East Promenade a Self-recording Barograph and Thermograph, Maximum and Minimum Thermometer, Tide Table, previous day's Sun Card, Daily Weather Forecast from Negretti and Zambra Forecaster, Daily Weather Report of the Air Ministry and combined Weather Charts and Records are exhibited for public information. A Wind Vane is also on top of the Kiosk.

Observations are taken at 9 a.m. and 6 p.m. Greenwich Mean Time each day. Code Weather Telegrams are despatched every day throughout each year to the Meteorological Office at 6 p.m. Greenwich Mean Time for certain evening papers served (through the Meteorological Office) by the Press Association.

Weekly, Monthly and Annual Reports are prepared and are furnished to the local paper, and supplied to any enquiries—advertisement or private. Full reports monthly are forwarded to the Meteorological Office.

### NOTES.

The Station is situate 31 feet above sea level. Latitude  $53^{\circ} 19'N$ . Longitude  $3^{\circ} 30'W$ . The Sunshine Recorder is 11 feet above the ground on which it is situated, and the Rain Gauge is one foot above the ground.



Humidity is calculated with Hygrometrical Tables, published by the Meteorological Office (Saturation = 100 per cent.).

The percentage of possible duration of sunshine is calculated by the Meteorological Office, with reference to the maximum duration theoretically possible in the latitude. The percentage of normal figures represent the mean daily duration for the year  $\times 100 \div$  the average for the year (the past 30 years ending 1950 being the figure taken = 4.10 hours for Rhyl). The average rainfall for the years 1881-1915 (35 years) is 25.81 inches, and is the figure used by the Meteorological Office.

A fall of one inch (25.4 millimetres) is equivalent to nearly 101 tons of water to the acre. One ton of water equals 224 gallons or nearly 36 cubic feet. An inch of rain implies 64,640 tons or 14,479,360 gallons of rain per square mile.

## **ANNUAL SUNSHINE AND RAINFALL, ETC., REPORT, AND STATISTICAL TABLES FOR THE YEAR 1958.**

### **RAINFALL.**

The rainfall for the year was well above the 35 years' average (25.81 inches), the total being 31.25 inches as against 26.60 inches for the year 1957—which shows an increase of 4.65 inches. The year's total was still slightly less than the national average by 1.42 inches.

The average rainfall for England and Wales (35 years' average) is 32.67 inches, and we usually find Rhyl well below this figure.

During the year 1958, rain fell on 200 days, as against 170 in 1957.

The monthly average of rain works out at 2.60 inches, as against 2.22 inches for 1957, and a monthly average of 16.7 days' on which rain fell, as against 14.2 days in 1957.

The highest recorded during the year (on one day) was on September 3rd (including early morning of the 4th), when, at 9 a.m. on the 4th, 1.53 inches was recorded.

The wettest month during the year was February, with a total of 4.95 inches, and the driest was April, with a total of 0.77 inches (see Features).

### FEATURES.

**February:** 4.95 inches—Highest total for February on record (i.e., since 1882). Also 1.17 inches on 24th was the highest daily total for February on record.

**June:** 2.99 inches—Highest total for June since 1948 (3.00 inches).

**September:** 1.53 inches on the 3rd was the highest daily total for September since 1936 (1.55 inches).

**Note.**—The total rainfall for the year 1958 was the highest since 1930 (32.62)—28 years.

### SUNSHINE.

The total bright sunshine recorded by the Campbell-Stokes Recorder during 1958 was 1,235 hours 24 minutes, as compared with 1,476 hours 12 minutes during 1957.

The instrument is now verified bi-annually by an official of the Meteorological Office. This year the inspection was made on 14th July.

The total record for 1958 is 240 hours 48 minutes, less than that of 1957, which year was 49 hours 54 minutes less than that of 1956.

It is interesting to note the sunshine for the past ten years, including 1958 (see Table II. on page 46).

These figures will show that the year 1958 was 278 hours 48 minutes less than the average total number of hours for the past ten recorded years, and 221 hours 48 minutes less than that of the average for 20 years.

During the past 20 years the records show that Rhyl has enjoyed, on an average, 302 days per annum with registered sunshine. This is a fine record, especially so when it is remembered that the district is free from fog and has the

lowest rainfall of any health resort on the Western coast of Great Britain. This is due, it is officially stated, to its unique position at the mouth of the famed Vale of Clwyd and protected as it is on the West by the Snowdonian mountains.

The daily average of recorded sunshine works out at 3 hours 23 minutes, as against 4 hours 3 minutes in 1957; 4 hours 12 minutes in 1956; 4 hours 47 minutes in 1955; 3 hours 37 minutes in 1954; 4 hours 20 minutes in 1953; 3 hours 58 minutes in 1952; 4 hours 8 minutes in 1951; 4 hours 3 minutes in 1950; and 4 hours 53 minutes in 1949.

Rhyl's daily average of recorded sunshine for 30 years (1921-50) is **4.10 hours**, as against the national average for England and Wales (40 years) of 3.94 hours.

It is interesting to note that the highest day's record of sunshine in Rhyl during the whole of the year 1958 occurred on 12th May, there being 14 hours 18 minutes, as against 15 hours 48 minutes in June, 1957.

### FEATURES.

**January:** 8 hours 6 minutes on 30th and 31st—Highest daily total for January of known daily records (i.e., since 1929).

**April:** 153 hours 30 minutes—Lowest total for April since 1952 (148 hours).

**May:** 170 hours 48 minutes—Lowest total for May since 1954 (167 hours 12 minutes).

**August:** 120 hours 48 minutes—Lowest total for August since 1948 (118 hours 30 minutes).

**December:** 24 hours 42 minutes—Lowest total for December since 1953 (23 hours 42 minutes).

**Note.**—The total sunshine for the year 1958 of 1,235 hours 24 minutes was the lowest year's total on record since 1905 (53 years).

### TEMPERATURES.

**February:** Mean Average of 42.3°F. was 0.9°F. above the 30 years' average for February, and was the mildest February since 1950 (42.9°F.).



**March:** Average for the month was  $39.7^{\circ}\text{F.}$ , this being  $4.2^{\circ}\text{F.}$  less than the 30 year average for March, and  $9.9^{\circ}\text{F.}$  less than that of March, 1958.

**May:**  $75^{\circ}\text{F.}$  on 1st—Highest maximum temperature for May since 1953 ( $77^{\circ}\text{F.}$ ).

**September:** Mean average temperature of  $59.4^{\circ}\text{F.}$  was the highest for September since 1949 ( $61.3^{\circ}\text{F.}$ ) and was  $2.3^{\circ}\text{F.}$  above the 30 years' average for September.

**October:** Mean average temperature of  $52.0^{\circ}\text{F.}$  was  $0.5^{\circ}\text{F.}$  above the 30 year average for October.

The year 1958 was well above the average for rain and well below the average for sunshine. As for temperature, it was for seven months below the monthly averages, but the other five months were above their averages. The year, as a whole, was poor, being well below our standard in all aspects, and the less said about it the better.

(Signed) W. A. FIELD, B.E.M., A.C.C.S.,  
Meteorological Observer.

TABLE I.—METEOROLOGICAL TABLE FOR 1958.

| Month.            |      |      | Air Temperature in Degrees Fahrenheit. |                |          |       |         |       | Rainfall.   |                           |                         |                   |      | Wind. | Bright Sunshine.               |                           |                                                  |              |
|-------------------|------|------|----------------------------------------|----------------|----------|-------|---------|-------|-------------|---------------------------|-------------------------|-------------------|------|-------|--------------------------------|---------------------------|--------------------------------------------------|--------------|
|                   |      |      | Means of                               |                | Highest. | Date. | Lowest. | Date. | Total Fall. | No. of days<br>Rain Fell. | Most in a Day.<br>—Ins. | 1-mm. or<br>More. |      |       | Most Sun in one<br>Day.—Hours. | Daily Average.<br>—Hours. | Days on which<br>Bright Sunshine<br>was recorded | Total Hours. |
|                   |      |      | A.<br>Maximum.                         | B.<br>Minimum. |          |       |         |       |             |                           |                         | Inches.           | Min. | Days. |                                |                           |                                                  |              |
| January...        | 45.8 | 36.4 | 41.1                                   | 59             | 26       | 25    | 24      | 2.01  | 48.9        | 18                        | 0.23                    | 8                 | 10   | 8.1   | 1.76                           | 22                        | 54.6                                             |              |
| February ...      | 47.6 | 37.1 | 42.4                                   | 56             | 14       | 27    | 8       | 4.95  | 121.9       | 15                        | 1.17                    | 11                | 11   | 8.3   | 2.16                           | 18                        | 60.4                                             |              |
| March ...         | 45.5 | 33.9 | 39.7                                   | 58             | 30       | 20    | 10      | 1.24  | 30.8        | 11                        | 0.32                    | 3                 | 8    | 9.3   | 3.29                           | 26                        | 101.9                                            |              |
| April...          | 51.3 | 39.7 | 45.5                                   | 64             | 30       | 27    | 12      | 0.77  | 19.5        | 11                        | 0.14                    | 3                 | 5    | 11.9  | 5.12                           | 28                        | 153.5                                            |              |
| May...            | 57.4 | 45.1 | 51.3                                   | 75             | 1        | 36    | 13      | 2.34  | 58.1        | 17                        | 0.39                    | 7                 | 8    | 14.3  | 5.51                           | 29                        | 170.8                                            |              |
| June...           | 62.5 | 49.6 | 56.0                                   | 72             | 29       | 42    | 18      | 2.95  | 73.7        | 16                        | 0.71                    | 5                 | 12   | 12.5  | 5.08                           | 28                        | 152.5                                            |              |
| July...           | 65.5 | 54.0 | 59.8                                   | 76             | 19       | 43    | 25      | 3.17  | 77.8        | 19                        | 0.75                    | 8                 | 10   | 13.2  | 5.24                           | 27                        | 162.4                                            |              |
| August ...        | 65.5 | 54.0 | 59.7                                   | 74             | 10       | 44    | 24      | 3.09  | 77.4        | 20                        | 0.66                    | 8                 | 9    | 10.5  | 3.90                           | 27                        | 120.8                                            |              |
| September...      | 65.1 | 53.7 | 59.4                                   | 75             | 2/5      | 44    | 27      | 4.54  | 106.4       | 18                        | 1.53                    | 8                 | 7    | 11.9  | 3.72                           | 27                        | 111.5                                            |              |
| October...        | 57.0 | 46.9 | 52.0                                   | 64             | 3        | 37    | 18/28   | 2.47  | 61.3        | 20                        | 0.45                    | 5                 | 8    | 7.6   | 2.53                           | 25                        | 78.5                                             |              |
| November ...      | 51.0 | 41.5 | 46.3                                   | 58             | 7        | 30    | 11      | 1.39  | 34.6        | 14                        | 0.25                    | 3                 | 7    | 5.2   | 1.46                           | 18                        | 43.8                                             |              |
| December ...      | 46.6 | 36.6 | 41.6                                   | 56             | 27/28    | 28    | 6       | 2.33  | 55.9        | 21                        | 0.24                    | 3                 | 10   | 5.5   | 0.80                           | 19                        | 24.7                                             |              |
| Total for year... | —    | —    | —                                      | —              | —        | —     | —       | 31.25 | 766.3       | 200                       | —                       | 72                | 105  | —     | —                              | 294                       | 1235.4                                           |              |
| Monthly Average   | 55.1 | 44.0 | 49.6                                   | —              | —        | —     | —       | 2.60  | 63.9        | 16.7                      | —                       | 6.0               | 8.4  | —     | 3.38                           | 24.5                      | 103.0                                            |              |
| Total for 1957... | —    | —    | —                                      | —              | —        | —     | —       | 26.60 | 661.5       | 170                       | —                       | 54                | 103  | —     | —                              | 298                       | 1476.2                                           |              |
| Monthly Average   | 56.3 | 44.6 | 50.5                                   | —              | —        | —     | —       | 2.22  | 55.1        | 14.2                      | —                       | 4.5               | 8.6  | —     | 4.05                           | 24.8                      | 123.0                                            |              |

TABLE II.—10-20 YEARS AVERAGES—SUNSHINE, RAINFALL AND HUMIDITY.

| Year                 | RAINFALL. |                               |                  |                                   |                                 | SUNSHINE. |               |                |                           |                                 |                                |                                      | Humid-<br>ity. |
|----------------------|-----------|-------------------------------|------------------|-----------------------------------|---------------------------------|-----------|---------------|----------------|---------------------------|---------------------------------|--------------------------------|--------------------------------------|----------------|
|                      | Inches.   | Monthly Aver-<br>age.—Inches. | Total Rain Days. | Month's Greatest<br>Fall.—Inches. | Month's Lowest<br>Fall.—Inches. | Hours.    | Sunless Days. | Sunshine Days. | Daily Average.<br>—Hours. | Highest in One<br>Month.—Hours. | Lowest in One<br>Month.—Hours. | Duration<br>Percentage<br>of Average |                |
| 1949                 | 21.31     | 1.77                          | 151              | 3.73                              | 0.28                            | 1780.3    | 43            | 322            | 4.88                      | 287.5                           | 38.2                           | 111                                  | 76             |
| 1950                 | 25.67     | 2.14                          | 194              | 3.65                              | 0.57                            | 1480.3    | 52            | 313            | 4.05                      | 248.8                           | 28.5                           | 95                                   | 75             |
| 1951                 | 29.96     | 2.50                          | 191              | 5.10                              | 0.70                            | 1509.4    | 59            | 306            | 4.14                      | 233.4                           | 51.7                           | 97                                   | 78             |
| 1952                 | 22.40     | 1.87                          | 163              | 3.42                              | 0.68                            | 1455.8    | 53            | 313            | 3.98                      | 196.2                           | 39.2                           | 93                                   | 77             |
| 1953                 | 20.39     | 1.70                          | 131              | 2.97                              | 0.53                            | 1588.0    | 66            | 299            | 4.34                      | 231.8                           | 23.7                           | 102                                  | 77             |
| 1954                 | 30.90     | 2.58                          | 202              | 5.16                              | 1.02                            | 1336.5    | 69            | 296            | 3.61                      | 217.2                           | 35.2                           | 89                                   | 78             |
| 1955                 | 19.00     | 1.58                          | 155              | 2.58                              | 0.33                            | 1754.3    | 63            | 302            | 4.78                      | 312.6                           | 38.5                           | 114                                  | 78             |
| 1956                 | 26.12     | 2.18                          | 170              | 7.31                              | 0.44                            | 1526.1    | 65            | 301            | 4.20                      | 270.2                           | 35.9                           | 100                                  | 79             |
| 1957                 | 26.60     | 2.22                          | 170              | 5.13                              | 0.26                            | 1476.2    | 67            | 298            | 4.05                      | 306.1                           | 39.8                           | 102                                  | 79             |
| 1958                 | 31.25     | 2.60                          | 200              | 4.95                              | 0.77                            | 1235.4    | 71            | 294            | 3.38                      | 170.8                           | 24.7                           | 83                                   | 79             |
| Totals...            | 253.60    | ...                           | 1727             | ...                               | ...                             | 15142.3   | 608           | 3044           | ...                       | ...                             | ...                            | 986                                  | 776            |
| Average 10 years ... | 25.36     | 2.11                          | 173              | ...                               | ...                             | 1514.2    | 61            | 304            | 4.14                      | ...                             | ...                            | 99                                   | 78             |
| Average 20 years ... | 25.21     | 2.10                          | 173              | ...                               | ...                             | 1457.2    | 63            | 302            | 4.07                      | ...                             | ...                            | 97                                   | 77             |



TABLE III.

MEAN TEMPERATURES, 1949-1958. ABSOLUTE TEMPERATURES OF KNOWN RECORDS (SINCE 1905).

| Month            | Max.<br>°F | Min.<br>°F | Mean<br>°F | 1958<br>Differ-<br>ence<br>°F | Average<br>Mean<br>Temp.<br>1921-50<br>(30 yrs.) | Highest Daily Temp. |            | Lowest Daily Temp. |                        |              |                |
|------------------|------------|------------|------------|-------------------------------|--------------------------------------------------|---------------------|------------|--------------------|------------------------|--------------|----------------|
|                  |            |            |            |                               |                                                  | Year                | Date       | °F                 | Year                   | Date         | °F             |
| January ... ..   | 44.1       | 34.7       | 39.4       | +1.7                          | 41.5                                             | 1916}<br>1932}      | 5/6<br>17  | 63                 | 1940<br>1917}<br>1954} | 21<br>6<br>2 | 11<br>10<br>16 |
| February ... ..  | 43.8       | 33.8       | 38.8       | +3.6                          | 41.4                                             | 1922                | 25         | 62                 | 1947                   | 3            | 22             |
| March ... ..     | 54.1       | 37.7       | 45.9       | -6.2                          | 43.9                                             | 1946                | 29/30      | 71                 | 1917                   | 3            | 27             |
| April ... ..     | 52.9       | 40.5       | 46.7       | -1.2                          | 47.3                                             | 1949                | 15         | 75                 |                        |              |                |
| May... ..        | 59.3       | 46.2       | 52.7       | -1.4                          | 52.0                                             | 1920}<br>1948}      | 25}<br>18} | 79                 | 1909                   | 16           | 36             |
| June... ..       | 63.6       | 51.2       | 57.4       | -1.4                          | 57.2                                             | 1950                | 6          | 88                 | 1941                   | 11           | 40             |
| July... ..       | 66.0       | 54.3       | 60.2       | -0.4                          | 60.6                                             | 1948                | 29         | 91                 | 1922<br>1912}          | 11<br>12     | 39             |
| August... ..     | 66.4       | 54.1       | 60.3       | -0.6                          | 60.4                                             | 1955<br>1919}       | 24<br>11}  | 86                 | 1919}                  | 31           | 34             |
| September ... .. | 62.7       | 51.6       | 57.1       | +2.3                          | 57.1                                             | 1934}<br>1954}      | 14}<br>1}  | 80                 | 1907}<br>1909}         | 4}<br>14}    | 22<br>20       |
| October ... ..   | 57.3       | 45.6       | 51.4       | +0.6                          | 51.5                                             | 1908                | 3          | 77                 | 1926                   | 31           | 17             |
| November... ..   | 50.8       | 41.5       | 46.2       | +0.1                          | 45.6                                             | 1946                | 4          | 68                 | 1912                   | 30           |                |
| December... ..   | 47.8       | 38.3       | 43.0       | -1.4                          | 42.6                                             | 1948}<br>1953}      | 2}<br>2}   | 61                 | 1920                   | 13/14        |                |
| Yearly Average:  |            |            |            |                               |                                                  |                     |            |                    |                        |              |                |
| 10 years... ..   | 55.7       | 44.1       | 49.8       | ...                           | ...                                              | ...                 | ...        | ...                | ...                    | ...          | ...            |
| 20 years... ..   | 55.8       | 44.6       | 50.2       | ...                           | ...                                              | ...                 | ...        | ...                | ...                    | ...          | ...            |

TABLE IV.—10 YEARS' MONTHLY SUNSHINE AND RAINFALL TOTALS.

| Month                                            | SUNSHINE (Hours). |       |       |       |       |       |       |       |       |       | RAINFALL (Inches). |      |      |      |      |      |      |      |      |      |
|--------------------------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|------|------|------|------|------|------|------|------|------|
|                                                  | 1948              | 1949  | 1950  | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1948               | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
| Jan. ... ..                                      | 44.3              | 54.4  | 38.2  | 51.7  | 58.5  | 36.0  | 35.5  | 42.7  | 59.2  | 39.8  | 4.49               | 2.23 | 0.57 | 2.46 | 2.67 | 0.53 | 2.01 | 1.76 | 2.51 | 1.40 |
| Feb. ... ..                                      | 67.1              | 117.4 | 65.3  | 83.7  | 87.2  | 60.6  | 55.8  | 73.1  | 69.0  | 86.7  | 1.15               | 0.91 | 3.48 | 2.94 | 0.83 | 1.94 | 1.96 | 2.16 | 0.44 | 2.04 |
| March... ..                                      | 184.8             | 147.7 | 128.0 | 92.2  | 116.2 | 152.4 | 116.7 | 169.9 | 152.2 | 95.8  | 0.62               | 1.37 | 0.79 | 4.69 | 0.86 | 0.97 | 1.80 | 1.55 | 1.17 | 1.36 |
| April ... ..                                     | 186.7             | 158.8 | 138.2 | 178.7 | 148.0 | 196.4 | 217.2 | 164.6 | 182.6 | 167.9 | 1.04               | 1.88 | 1.85 | 1.23 | 1.08 | 1.98 | 1.02 | 0.87 | 1.90 | 0.26 |
| May ... ..                                       | 275.0             | 230.9 | 198.3 | 189.1 | 186.0 | 231.8 | 167.2 | 211.4 | 270.2 | 221.5 | 0.81               | 1.61 | 0.74 | 2.94 | 1.95 | 1.34 | 2.61 | 1.98 | 0.50 | 1.46 |
| June ... ..                                      | 180.9             | 287.5 | 248.8 | 233.4 | 196.2 | 189.2 | 145.6 | 153.2 | 187.8 | 306.1 | 3.00               | 0.28 | 1.07 | 0.70 | 1.32 | 1.38 | 2.68 | 2.58 | 1.35 | 1.35 |
| July ... ..                                      | 165.8             | 218.1 | 191.2 | 187.8 | 176.8 | 198.6 | 121.1 | 312.6 | 151.6 | 135.0 | 1.28               | 1.87 | 1.63 | 0.97 | 0.68 | 1.47 | 2.37 | 0.33 | 4.18 | 4.12 |
| August ... ..                                    | 118.5             | 208.5 | 161.2 | 136.4 | 158.5 | 175.3 | 122.8 | 251.0 | 160.4 | 121.6 | 3.33               | 1.32 | 3.65 | 3.32 | 1.42 | 2.75 | 2.19 | 1.44 | 7.31 | 4.53 |
| Sept. ... ..                                     | 100.7             | 168.1 | 116.6 | 107.2 | 106.0 | 132.4 | 163.3 | 164.1 | 106.7 | 100.1 | 1.57               | 0.76 | 3.53 | 1.42 | 3.13 | 2.97 | 2.16 | 0.96 | 2.43 | 5.13 |
| Oct. ... ..                                      | 90.8              | 94.1  | 112.2 | 131.9 | 124.3 | 130.7 | 72.1  | 111.8 | 113.2 | 79.7  | 1.86               | 2.69 | 2.36 | 0.96 | 3.42 | 1.31 | 4.42 | 2.00 | 1.22 | 1.56 |
| Nov. ... ..                                      | 87.5              | 56.6  | 53.8  | 62.4  | 58.9  | 60.9  | 64.0  | 61.4  | 37.3  | 63.5  | 1.39               | 2.66 | 3.54 | 5.10 | 1.74 | 2.68 | 5.16 | 1.04 | 1.55 | 1.76 |
| Dec. ... ..                                      | 69.3              | 38.2  | 28.5  | 54.9  | 39.2  | 23.7  | 35.2  | 38.5  | 35.9  | 58.5  | 3.50               | 3.73 | 2.36 | 3.23 | 3.30 | 1.07 | 2.52 | 2.33 | 1.56 | 1.63 |
| * Difference from ... .. Ave for the Year ... .. | +                 | +     | —     | +     | —     | +     | —     | +     | +     | —     | —                  | —    | —    | +    | —    | —    | +    | —    | +    | +    |
|                                                  | 0.27              | 0.78  | 0.05  | 0.03  | 0.13  | 0.24  | 0.49  | 0.68  | 0.10  | 0.05  | 1.77               | 4.50 | 0.14 | 4.15 | 3.41 | 5.42 | 5.09 | 6.81 | 0.31 | 0.79 |

Sunshine: \*This figure is the 30 years daily average = 4.10 hours.

Rainfall: This figure is 35 years yearly average = 25.81 inches.





